

# Resources

## Year 6



**BOOK WEEK**  
**STORIES**

## **LESSON FOCUS**

### **x Learning intention:**

- We are learning to publish a detailed text for different purposes and audiences

### **x Success criteria:**

- Create illustrations for your book week story that suit your text

# PRESENTATION

How the writing looks on the page

- My writing is easy to read.
- Everything is in the right place.



- My handwriting is neat.
- My graphics are placed correctly and my writing attracts the reader.

- My work is neat and tidy and I am proud of my work.

- I have corrected my draft pieces of writing and am now publishing my final copy.

- This is a draft.
- I need to work on the layout of my writing.

- My illustrations, diagrams and graphs need to match the text.
- I need to use headings and subheadings in my text.

- My spacing is uneven.
- My writing is all squashed up.

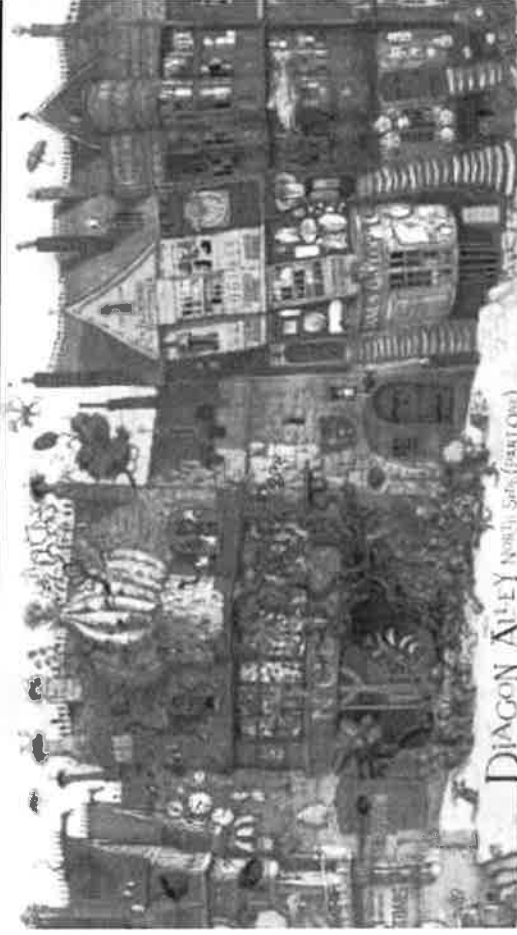
- My hand writing is very difficult to read.

# PRESENTATION

- Finished piece of writing
- Creative publishing idea
- Neat work (hand writing, fonts, colour, layout)

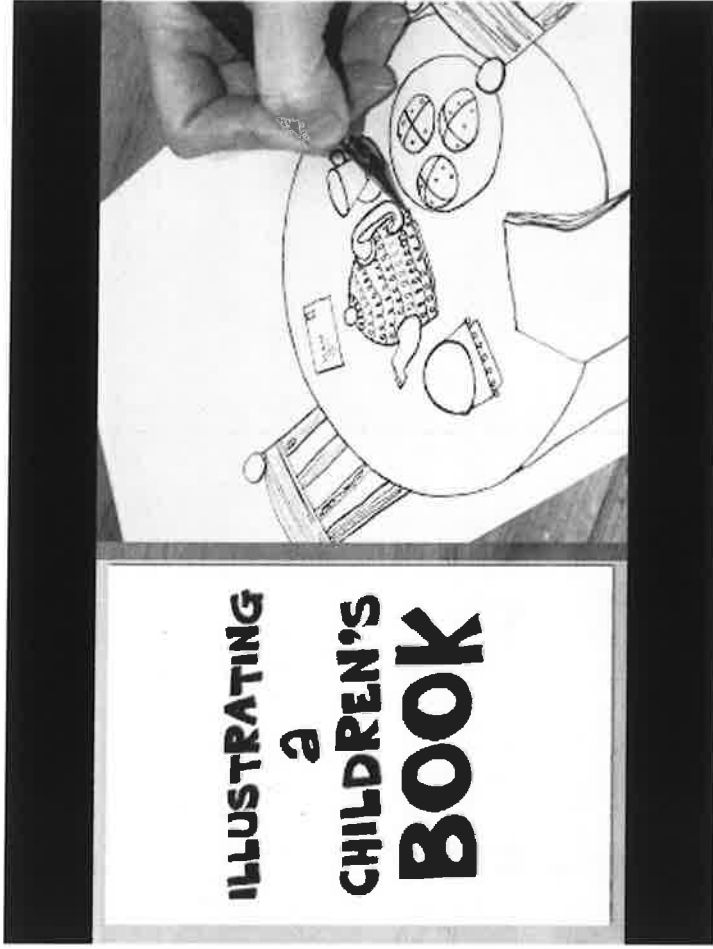
# ***MENTOR ILLUSTRATOR: JIM KAY***

Take notes while watching:



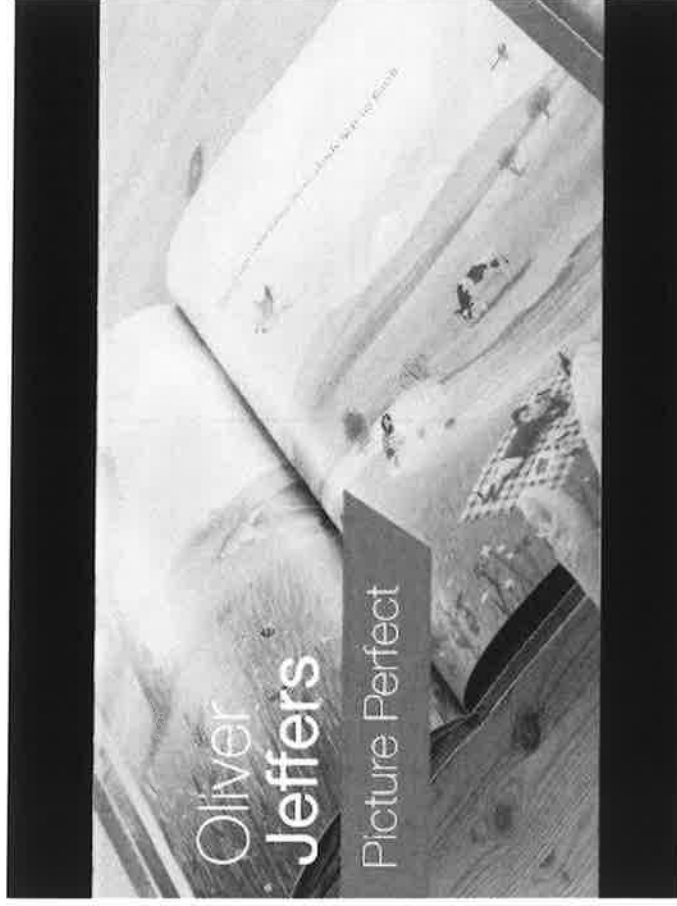
# ***MENTOR ILLUSTRATOR: PICTURE STORY BOOK***

Take notes while watching:



# ***MENTOR ILLUSTRATOR: OLIVER JEFFERS***

Take notes while watching:



# ***MENTOR ILLUSTRATOR: TERRY DENTON***

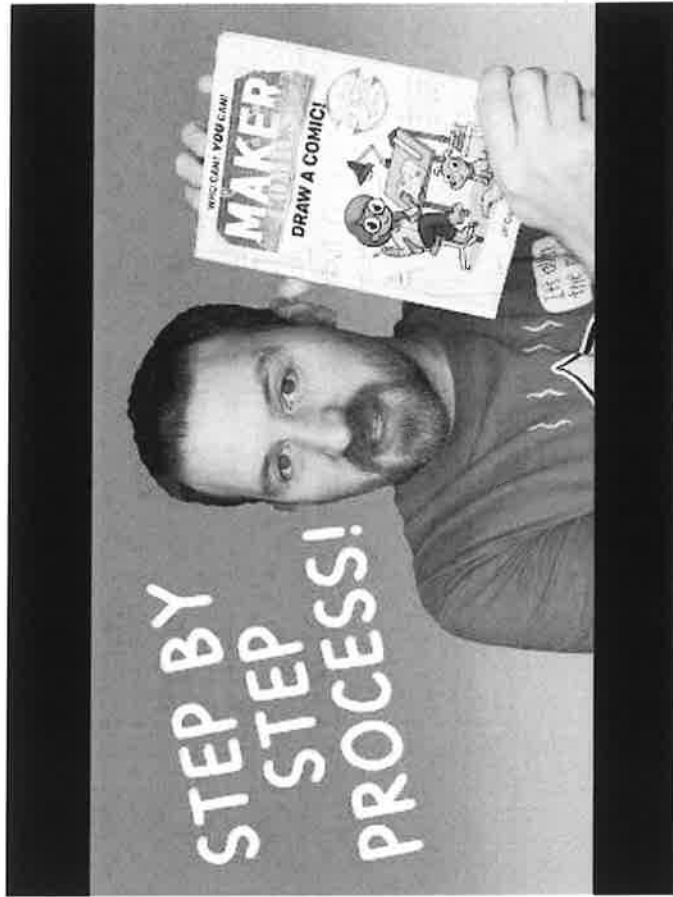
Take notes while watching:





# ***MENTOR ILLUSTRATOR: GRAPHIC NOVEL***

Take notes while watching:



## ***YOUR TASK:***

Getting your Book Week story ready to be  
presented with illustrations.

Remember you have a 2 page A3 spread.

## Rabbit Proof Fence- PMI

Learning Intention: I can describe perspectives and identify ideas, beliefs and values of people and groups in the past.

Success Criteria: I can explain the perspective of the Indigenous people in relation to the Stolen Generations as well as how they value their spiritual links and beliefs to the Australian land.

Please complete the PMI below after you have watched *Rabbit Proof Fence*. You may need to take some notes whilst watching.

- This is one of your feedback tasks for the week, so make sure you:
- Answer in dot points but provide enough detail.
  - Aim for at least 3-5 dot points in each section.
  - Consider the big issues in this movie in your responses.

<u>Plus (Positives)</u>	<u>Minus (Negatives)</u>	<u>Interesting</u>
<ul style="list-style-type: none"> <li>• The Indigenous community seem happy in their own environment and love being with their own people. Gracie enjoys playing with her sisters.</li> </ul>	<ul style="list-style-type: none"> <li>• Watching Constable Riggs take Molly, Gracie and Daisy away from their mother which makes me feel really sad and angry. I wonder if he feels bad when he does it?</li> </ul>	<ul style="list-style-type: none"> <li>• I know Rabbit Proof Fence is based on a real story. I wonder what Daisy, Molly and Gracie are doing now?</li> </ul>





**CONVENTIONS-**

**Commas**

*Writer's Workshop*

# Learning Intention

We are learning to identify the different reasons *why* we use commas

# Success Criteria

To create sentences using commas 4 different ways

# While follow these slides you need to:

Record sentences as you go through each slide.

Read the example then attempt your own version using the rule.

Have a page ruled up in your english book or you can just use any piece of paper to record your sentences.

## **RULE FIVE**

Use a Comma to separate the day or date from the year.

*Usain Bolt was born on August 21, 1986.*

**Your turn:** Record your own example of a sentence using the above rule



## **RULE SIX**

Use a Comma to separate things (nouns) in a series.

*Mr McCaughan went shopping to buy apples, grapes, chocolate and ice-cream.*

**Your turn:** Record your own example of a sentence using the above rule

## RULE SEVEN

Use a Comma after or before a person's name when you ALSO state who he/she is.

*Miss Murphy, Grade Six teacher, enjoys creating Google Slides.*

Non Essential phrases - apply here too

*The zebra, scenting the air and carefully scanning the path ahead her, cautiously entered the water.*

**Your turn: Record your own example of a sentence using the above rule**

## **RULE EIGHT**

Use a Comma after the greeting and closing of a letter.

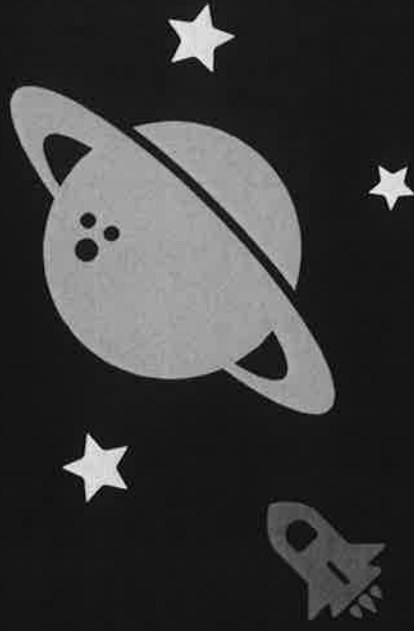
*Dear Pod 3,*

*We hope you are enjoying your day.*

*Sincerely,*

*Your Teachers*

**Your turn:** Record your own example of a sentence using the above rule



# Your turn

Continue working on your Writer's Workshop piece. Remember to use commas in your writing!



**Writing Week 6:**

**Similes and Metaphors**

**Y6**

## **Learning Intention:**

**We are learning to use metaphor and simile in our writing**

## **Success Criteria:**

**To understand the effects of metaphor and simile and create examples**

**Watch:**

**SIMILES AND  
METAPHORS IN  
SONGS**

**Can you think of any other songs  
you know that have similes and  
metaphors in the lyrics?**

## Similes and Metaphors

### Extending ideas.

Look at these similes:

- The car shot as fast as a speeding bullet.
- He sneezed as loud as banging drums.
- Her skin was like silk.
- He lay in the sun like a hippopotamus.

Task:

Extend the similes by adding a conjunction e.g. which, but, so, because, although...

She cried like a baby    although    the sadness never disappeared.  
[ ]    simile    [ ]    conjunction    [ ]    extended sentence

Challenge:

Use metaphors too. Extend those ideas.



## Similes and Metaphors

### 'The Highwayman' by Alfred Noyes

The wind was a torrent of darkness among the gusty trees,  
The moon was a ghostly galleon tossed upon cloudy seas,  
The road was a ribbon of moonlight over the purple moor,

And the highwayman came riding-

Riding - riding -

The highwayman came riding, up to the old inn-door.

**There are really good examples of metaphors in this poem.  
Can you spot them?**

#### Task: Answer the below questions

1. What does the writer compare to a ghostly galleon?
2. Use a dictionary - what does 'inn' mean?
3. Where did the Highwayman stop?

#### Challenge Questions

1. Which metaphor do you think is most effective?
2. Describe the setting, based on the verse you have read here.
3. How do you think metaphors help you to understand the scene?
4. What do phrases such as 'riding-riding-riding' tell you about the Highwayman?

## Similes and Metaphors

Like dopey dormice snuffling quietly,

Like chicks chattering softly,

Like trains rumbling in the distance,

↑  
The little baby sleeps.

Like banging drums and clashing cymbals,

Like clattering dishes and rattling adults,

Like howling dogs and bouncing puppies,

↑  
The school boy returns home.

This poem is made of plenty of similes.

Similes about being loud and similes about being quiet.

### Challenge:

Add 2 lines to the first verse, before the author writes '...The little baby sleeps.'

Add 2 lines to the second verse, before the author writes '...The school boy returns home.'

### Task:

Collect all of the verbs from this poem and use a thesaurus to see if you can find better ones.

## BETTER TIMES

Throughout Australia's history, the rights of Aboriginal and Torres Strait Islander peoples have not always been respected. However, developments in the late 20th and early 21st centuries have improved the lives of Aboriginal and Torres Strait Islander peoples. For example, in 2008, former Prime Minister Kevin Rudd apologised to Australia's Indigenous peoples for the forced removal of their children.

### Invasion

The arrival of the British in 1788 brought a **dramatic** change to the lives of Australia's Aboriginal and Torres Strait Islander peoples. They were unprepared for an invasion, and found the idea that one group could take another group's land very strange.

At first, the British wanted to be friendly, but this didn't last. As they spread across the country, clearing the land for towns and farmland, they paid no attention to the land and other rights of Aboriginal peoples.



▶ Australia's Aboriginal peoples fought for their land when Europeans began to settle in Australia.

### Protection and assimilation

As time went on, Aboriginal people began dying from European diseases, such as smallpox, which they had no **immunity** against. Soon the British had taken over the Sydney and Hobart regions, and had begun expanding into other areas. Most Aboriginal people who lived in these areas gave up the fight.

### FACT!

The British didn't understand the rich, complex culture of the Aboriginal peoples.

Scan the code to link to a video about the citizenship rights of Aboriginal and Torres Strait Islander peoples.



At this time, many of the British thought that Aboriginal peoples would just die out. Others thought they could be 'trained' to be unskilled workers. Colonial governments and church missionaries believed that they should be 'protected'. Many Aboriginal peoples were forced to live in camps, and prevented from going back to their 'primitive' lifestyle. In the mid-20th century, it was decided that the best thing to do was to **assimilate** Aboriginal peoples into Australian society. This meant they were forced to **abandon** their culture and live like other Australians.

### Stolen Generations

Part of the policies of protection and assimilation involved taking Aboriginal children from their parents so they could be brought up by Australian foster parents, or in **institutions**. This caused untold levels of distress and hardship to both the parents and the children, who became known as the 'Stolen Generations'.

### Progress

Some progress has been made to improve the rights of Indigenous Australians, although there is still a long way to go. Aboriginal people received citizenship in 1949, and in 1962 the *Commonwealth Electoral Act 1962* gave them the option to vote in Australian elections. In 1967, 90.77 per cent of the Australian population agreed that Aboriginal peoples should be counted as part of the Australian population in censuses. Then, in the late 20th century, the High Court of Australia made two decisions – *Mabo and Wik* – that allow Aboriginal and Torres Strait Islander peoples to claim rights to government-owned land with which they have a connection.



▲ Thousands of Aboriginal children were taken from their families in the mid-20th century.

## QUESTIONS

1. Can you find some phrases on the card that describe how Australia's Aboriginal and Torres Strait Islander people felt about the arrival of the British?
2. Why do you think most Aboriginal peoples gave up the fight for their land and rights as the British took over the Sydney and Hobart regions?
3. In your own words, define the term 'assimilation'.
4. List three adjectives that could describe the relationship between the British and Australian Aboriginal peoples.
5. 'The British did not understand the rich, complex culture of Aboriginal peoples.' Everybody belongs to a culture that they identify with and that has unique characteristics. Write a paragraph explaining the important elements of your cultural background.
6. Imagine you were being removed from your culture and assimilated into another. Write a senses poem describing your feelings. A senses poem consists of five sentences. Each sentence starts with one of the following stems: I feel, I see, I hear, I smell, I taste.

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# Stolen Generation

— LESSON ONE —

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# Learning Intention

I can describe perspectives and identify ideas, beliefs and values of people and groups in the past.



# The Stolen Generation



To truly understand the importance of Reconciliation Day, we need to learn about the history that led to this moment.

What do we know about 'The Stolen Generation'?

Note: This is a very difficult and sensitive subject in our history for many of our families. Be respectful of other people's feelings.

BTN Clip:

<https://www.abc.net.au/btn/classroom/stolen-generations/10542138>

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# **Stolen Generation/Rabbit**

## **Proof Fence**

— LESSON TWO —

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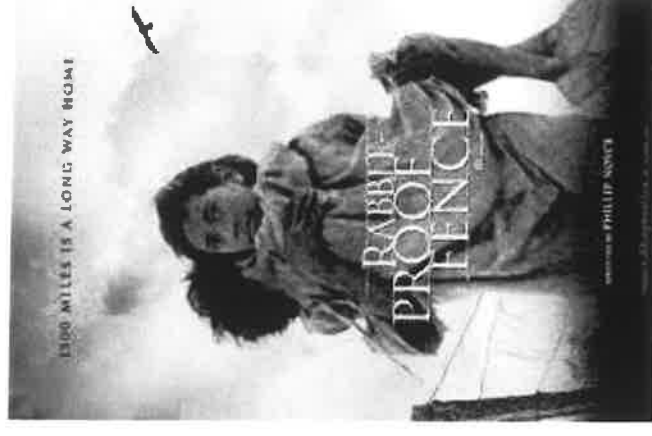


# Rabbit Proof Fence

Rabbit Proof Fence based on a true story concerning the author's mother Molly, as well as two other mixed-race Aboriginal girls, Daisy Kadibil and Gracie, who escape from the Moore River Native Settlement, north of Perth, Western Australia, to return to their Aboriginal families, after being placed there in 1931. The film follows the Aboriginal girls as they walk for nine weeks along 1,500 miles (2,400 km) of the Australian rabbit-proof fence to return to their community at Jigalong, while being pursued by white law enforcement authorities and an Aboriginal tracker.

Parent and guardian info:

<https://www.commonsensemedia.org/movie-reviews/rabbit-proof-fence>



# Rabbit Proof Fence Movie Link

It might be a good idea to have an adult or older sibling watch along with you. This will help when completing the PMI Chart.

Movie Link Instructions:

<https://online.clickview.com.au/libraries/videos/5851/rabbit-proof-fence>

Click the link above.

Sign in with your @torquaycollege.vic.edu.au email. For e.g. ABC123@torquaycollege.vic.edu.au

Movie Time!

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# FEEDBACK TASK

While you're watching Rabbit Proof Fence, you'll need to have the PMI chart ready to take notes. Please use the PMI chart provided in Inquiry on Google Classroom.

**Your PMI template will be your feedback task for Inquiry this week.**

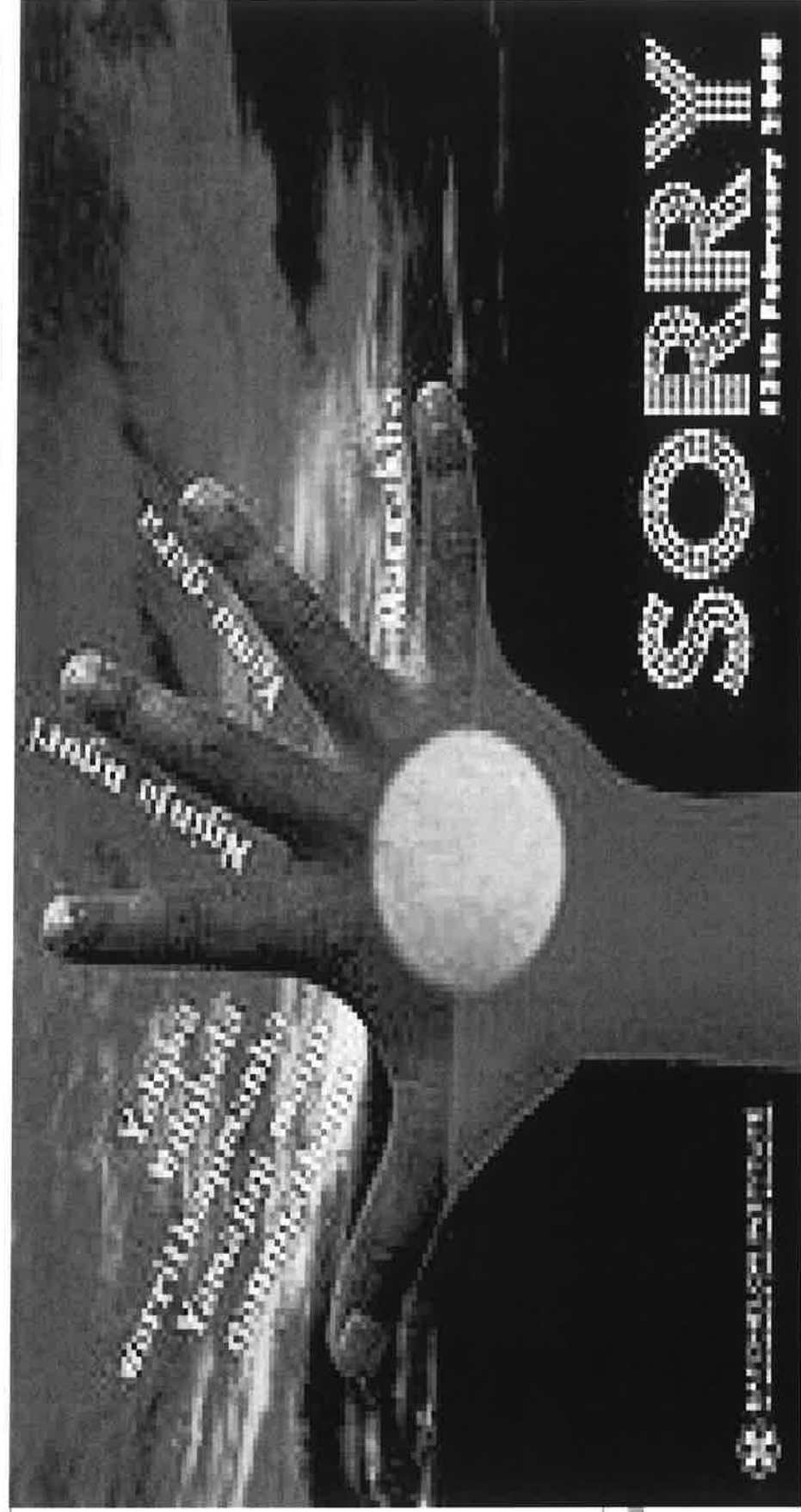
You need to fill out the columns, **positive**, **minus** and **interesting** about the movie and give specific examples. **You will need to have at least 3-5 dot points for each column.**

There is a video support lesson with Mrs Field on how to fill out a PMI chart.

## P-M-I Chart

Plus	Minus	Interesting

# National Sorry Day



# Learning Intention

I can explain a significant event that influenced change in Australian society since Federation.

## Success Criteria:

I can explain why Kevin Rudd's 'sorry' speech was such a significant event in Australian history.



# The Apology

On the 13th of February 2008, newly appointed

Prime Minister Kevin Rudd did what he promised to do.

He said 'sorry' to the Indigenous families and the Stolen Generation and this is truly a proud moment in our history.

This was a significant and emotional moment in Australian history, particularly for our Indigenous people.

This is Kevin Rudd's famous speech:

<https://www.youtube.com/watch?v=b3TZOGpG6cM>



# The Apology

As you can see these are very powerful words but sadly this was not necessarily agreed with by all people.

<https://www.abc.net.au/btn/classroom/government-apology/10542168>



How did this speech help shape Australia's culture?

Why was this speech such an important moment for the Aboriginal People and Torres Strait Islanders?

Why do you think the Australian Government took so long to say 'sorry'?

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## Activity



Thinking about what we have learned about this term and what you already know about Australian history.

**Your challenge is to write a paragraph below, explaining why Kevin Rudd's apology was such an important moment in our history.**

You will need to use examples to support your ideas.

Remember this is a very sensitive issue for many people, so consider the emotive language you can use in your paragraph.

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**Your challenge is to write a paragraph below, explaining why Kevin Rudd's apology was such an important moment in our history.**



# Maths Learning Slides Year 6

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WEEK 6

# Task 1 - Maths Goals

## Feedback Task Multiplication and Division

This week you will be completing a feedback task for multiplication and division.

You will find the task in:

- Google Classroom
- Classwork
- Maths
- Week 6 Feedback Task

Please complete and upload as the instructions ask you.

# Task 2 - Maths Goals

## Multiplication and

## Division Maths Goals

Using your multiplication and division Goal Sheet, work on your allocated goals.

You can access the Goals Folder on your classes google classroom or click on the 'GOALS' picture on the right hand side of this slide.

- When completing your goal, you will need to:
- Watch the instructional video
  - Complete the evidence task in your Maths book



# Tasks 3 - Mental Maths

## Mental Maths

Complete Week 6 book.

Choose a Mental Maths book that is suitable for your maths skills. Start with the book you were working through last, if it is not suitable move up or down one letter. \_\_\_\_\_

You can complete these Mental Maths tasks all in one session or spread them out over the week and complete them on the allocated days.



# Optional Extras

## Mathletics

Go onto Mathletics and complete any assigned tasks or search for 'Fractions, Decimals and Percentages'.

Once completed, explore and play 'Live Mathletics'.

Mathletics

## Hit the Button

Practise your skills and play an interactive game, focusing on your times tables.



# Feedback Task- RICH TASKS

## WEEK 6 - Multiplication & Division

### Video

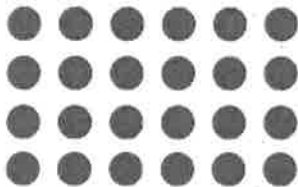
This week's tasks are focussed on Multiplication and Division. Use your Maths book (if you're working online) or this page (for hard copy users) to record your answers. Each question will have more than one answer, think hard and see if you are able to record as many as possible. Begin this task with the 'STARTER' question, followed by 'CHALLENGER' then 'EXTENDER' if able to. Have fun coming up with multiple answers.

#### STARTER

A chef has 24 pizzas on trays in the oven. There is the same number of pizzas on each tray. What **might** this look like?

(You might like to draw this in your Maths book and take a photo and put it at the bottom of this document. It might have something to do with **factors**. Here is another link they may help you with what factors are: <http://www.amathsdictionaryforkids.com/> )

#### CHALLENGER



Write as many number facts from this array as possible. You can use the following operations ( + - x ÷ )

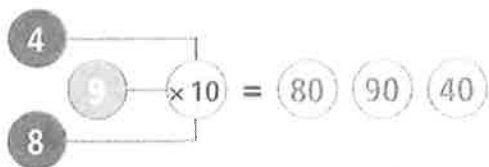
#### EXTENDER

Using only four 4s and any operation, how many different answers can you make?  
Brace yourself, you can make many!



1.  $4 + \underline{\quad\quad} + 1 = 10$

2. Colour-code the answers.



3.  $11 - 6 = \underline{\quad\quad}$

4.  $4 \div 1 = \underline{\quad\quad}$

5. 4, 9, 14, 19,  $\underline{\quad\quad}$ , 29



Read the information on the racecar dashboard.

6. Colour the left indicator arrow.

7. How much fuel is left in the tank?

- $\frac{1}{2}$       $\frac{1}{4}$       $\frac{1}{3}$       $\frac{3}{4}$

8. The temperature gauge is showing:

- 50 °C     100 °C     150 °C     200 °C

9. The racecar is travelling at

A:  $\underline{\quad\quad}$  km/h.    B:  $\underline{\quad\quad}$  km/h.

10. The odometer displays 526 km. Is that closest to:

- 520,     500    or     530?

11. km is the abbreviation for  $\underline{\quad\quad}$ .

12. The 'l' in 'km/h' means *per*. What does *per* mean?

- each     cat's meow     purple-eyed rat

13. The 'h' in 'km/h' means:

- hat     hour     hello

14. At 550 km the engine needs a service.

How many kms before the service?  $\underline{\quad\quad}$

15.  $530 \text{ km} > 526 \text{ km}$

The difference is  $\underline{\quad\quad}$ .

1. Draw a line to cut this square into two equal-sized triangles.



2.  $\underline{\quad\quad}$  45 or

a quarter to  $\underline{\quad\quad}$



3.  $38 + 7 = \underline{\quad\quad}$

4. Using 9, 2, 4 and 8, write the largest:

(a) odd number.  $\underline{\quad\quad}$

(a) even number.  $\underline{\quad\quad}$

5.  $16 + 36 = 10 + \boxed{6} + 30 + \boxed{6} =$

$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$

6.  $15 \div 3 = \underline{\quad\quad}$

7.  $600 + 400 = \underline{\quad\quad}$

8. 48, 44, 40,  $\underline{\quad\quad}$ , 32

9. A sphere has a

- flat surface.     curved surface.

10. Big Ted needs honey!

Big Ted bought two half tubs for \$2.



How much would he have saved by buying tl full jar?

$\underline{\quad\quad}$

11.  $5 \boxed{\quad} 5 = 25$

12.  $125 - 25 = \underline{\quad\quad}$

13. Milo ate 15 olives for lunch. Rilo ate 5 more than Milo.

(a) How many olives did they both eat?  $\underline{\quad\quad}$

(b) How many olives did Rilo eat?  $\underline{\quad\quad}$

14.  $800 - 50 = \underline{\quad\quad}$

15.  $\textcircled{2} \textcircled{10} \textcircled{5} = \underline{\quad\quad}$

# MONDAY

1. (a)  $4 \times 3 = 12$

(b)  $4 \times 3 = 7$

2.  $4 \times 5 = \dots$

3.  $5 \times 4 = \dots$

4. Quarter past  $\dots$

or  $\dots 15$



5.  $3 \times \square = 9$

6.  $3 \times \square = 1$

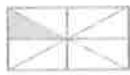
7. Which shape is coloured as one quarter ( $\frac{1}{4}$ )?



A



B



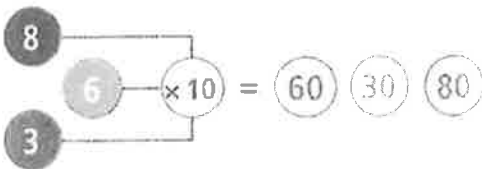
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8. 4, 7, 10, 13,  $\dots$ , 19

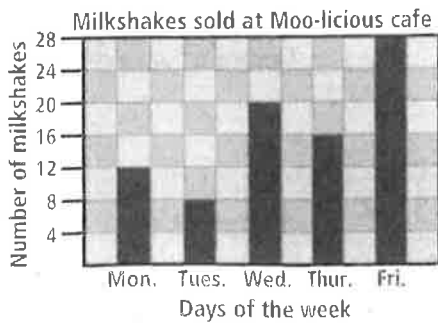
9.  $11 - 4 = \dots$

10.  $5 + \dots + 3 = 10$

11. Colour-code the answers.



12.  $9 \div 3 = \dots$



13. How many children bought milkshakes on Friday?  $\dots$

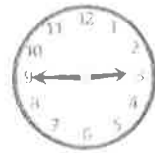
14. How many children bought milkshakes on Tuesday?  $\dots$

15. On which day were the most milkshakes sold?  
 $\dots$

# TUESDAY

1.  $\dots 45$  or

a quarter to  $\dots$



2.  $17 + 6 = \dots$

3. This prism needs to have one dot printed on each face. How many dots will there be?  
 $\dots$



4.  $3 \times 4 = \dots$

This is a/an:

array.

hooray.

stingray.



5. A racing team carries four sets of spare racecar tyres. How many tyres are there altogether?  
 $\dots$



6. Using 3, 0, 8 and 1, write the largest:

(a) odd number.  $\dots$

(b) even number.  $\dots$

7. (a)  $8 \times \square = 40$  (b)  $8 \times \square = 3$

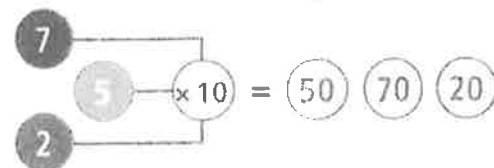
8. 405, 407,  $\dots$ ,  $\dots$ , 413

9.  $15 + 25 = \dots$   
 $10 + \square + 20 + \square = \dots$

$30 + \square = \dots$

10.  $6 + \dots + 2 = 10$

11. Colour-code the answers.

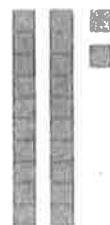


12. 4, 8, 12,  $\dots$ , 20

13.  $8 \div 2 = \dots$

14.  $11 - 4 = \dots$

15. Double this amount =  $\dots$



## Week 6

1. What is the time?



2.  $12 - 2 - 2 - 2 - 2 - 2 - 2 = \underline{\hspace{2cm}}$

$12 \div 2 = \underline{\hspace{2cm}}$  and  $2 \times \underline{\hspace{2cm}} = 12$

3. How many months are in one year?  $\underline{\hspace{2cm}}$

4.  $9 \times 0 = \underline{\hspace{2cm}}$



6. At sunset, will the time be in the am or pm?  $\underline{\hspace{2cm}}$

7.  $50 - 25 = \underline{\hspace{2cm}}$

8. (a)  $30 + 90 = \underline{\hspace{2cm}}$  (b)  $300 + 900 = \underline{\hspace{2cm}}$

9. (a)  $120 - 30 = \underline{\hspace{2cm}}$  (b)  $1200 - 300 = \underline{\hspace{2cm}}$

10.  $4 \times 50 = \underline{\hspace{2cm}}$

11.  $17 + 13 = (10 + 7) + (10 + 3) = (20 + 10) = 30$

$18 + 15 = \underline{\hspace{2cm}}$

12. You count 24 wheels in a carpark.  
How many 4-wheel cars are there?  $\underline{\hspace{2cm}}$



13. A left Perth at 5.30 and arrived in Albany at 11.30.

How many hours was the trip?  $\underline{\hspace{2cm}}$

14. Ava and Lara shared 3 pizzas equally.



What was Ava's share?  $\underline{\hspace{2cm}}$

15. Which direction is this?

clockwise

anticlockwise



16. How many hours are in one day?  $\underline{\hspace{2cm}}$

17.  $10 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

18. In 258, what is the value of the 5?

500

50

5

19.  $400 + 700 = \underline{\hspace{2cm}}$

20. 19,  $\underline{\hspace{2cm}}$ , 13, 10, 7

1. Name this 3D object.



2.  $8 + 8 + 8 + 8 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} \div 8 = 4$

3.  $\$1.00 - 90c = \underline{\hspace{2cm}}$

4.  $1 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

5. Half of 32.  $\underline{\hspace{2cm}}$

6. Colour  $\frac{3}{5}$ .

7. If sending a mobile text message costs 25c, what is the cost of sending 4 text messages?  
 $\underline{\hspace{2cm}}$



8. Round 1011 to the nearest ten.  $\underline{\hspace{2cm}}$

9.  $1100 - 100 = \underline{\hspace{2cm}}$

10. How many weeks are in one fortnight?  $\underline{\hspace{2cm}}$

11. In 209, what is the value of the 2?

200

20

2

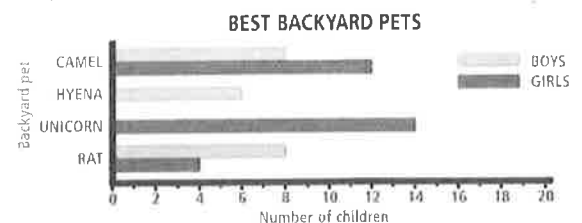
12.  $19\ 909 = 19\ 900 + \underline{\hspace{2cm}}$

13. 8 am is in the **morning** **afternoon**.

14. Draw the top view.



15. A quadrilateral has  $\underline{\hspace{2cm}}$  sides.



16. Which pet did the boys not vote for?  $\underline{\hspace{2cm}}$

17. Which pet was overall favourite?  $\underline{\hspace{2cm}}$

18. Which pet was the least favourite?  $\underline{\hspace{2cm}}$

19. How many students voted altogether?  $\underline{\hspace{2cm}}$

20. What was the number of votes for:

(a) boys?  $\underline{\hspace{2cm}}$

(b) girls?  $\underline{\hspace{2cm}}$

1. What is the time?



2. \_\_\_\_\_ + 7 = 100

3.  $6 \times 7 = 42$

$42 \div \text{_____} = 7$

4. How many 20c coins make up \$1? \_\_\_\_\_

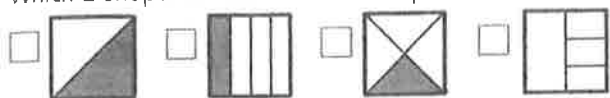
5. Which direction is this?

clockwise     anticlockwise



6.  $42 - 10 = \text{_____}$

7. Which 2 shapes are coloured as one-quarter?



8. 60, 55, 50, 45, \_\_\_\_\_

9. Double  $16 = (10 + 6) + (10 + 6) = 20 + 12 = 32$ ,  
so double 18 = \_\_\_\_\_.

10. What month is directly before July? \_\_\_\_\_

11. How many days are in the month of August? \_\_\_\_\_

12. (a)  $40 + 70 = \text{_____}$     (b)  $400 + 700 = \text{_____}$

13.  $27 \div 3 = 9$

$3 \square 9 = 27$

14. A pentagon has \_\_\_\_\_ sides.



16. A bag of 3 pineapples costs \$8.

What is the cost of 6 pineapples? \_\_\_\_\_

UNUSAL PETS ROOM 3		
	MEERKATS	NO MEERKATS
EMU	Talee, Tilly, Tolly	Yomo, Tamo
NO EMU	Jessi, Bessi, Tessi, Nessi	Zea, Zoe, Zia, Zae

17. How many students have a meerkat? \_\_\_\_\_

18. How many students have an emu? \_\_\_\_\_

19. Which students have an emu but no meerkat?  
\_\_\_\_\_

20. Which students did not have either pet?  
\_\_\_\_\_

1. What is the time?



2. \_\_\_\_\_ - 3 - 3 - 3 - 3 - 3 - 3 = 0

\_\_\_\_\_  $\div 3 = 6$  and  $3 \times \text{_____} = 18$ .

3. Flip.

4. Round 107 to the nearest 10. \_\_\_\_\_

5.  $4 \times 7 = 28$ , \_\_\_\_\_  $\div 7 = 4$

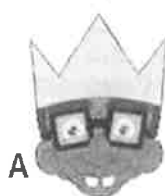
6. You count 16 wheels in a carpark.  
How many 4-wheel cars are there? \_\_\_\_\_

7.  $1010 + 10 = 1020$

$1110 + 10 = 1120$

$1210 + 10 = \text{_____}$

8. Which two 2D hats are symmetrical? \_\_\_\_\_



9.  $70 + 60 = \text{_____}$

10. How many tenths in 0.8? \_\_\_\_\_

11. Measure line  $\overline{AB}$ .



\_\_\_\_\_ cm or \_\_\_\_\_ mm

12. What are the 3 autumn months?  
\_\_\_\_\_

13.  $4 \square 6 = 24$

14. Convert  $\frac{6}{10}$  to a decimal. \_\_\_\_\_

15. Which book is standing vertically?



16. Write 100 more than 876. \_\_\_\_\_

17.  $20 \times 4 = 80$ ,  $19 \times 4 = \text{_____}$

18. Double 19. \_\_\_\_\_

19. 1 cm = \_\_\_\_\_ mm

20. (a)  $10 \times 1 = \text{_____}$

(b)  $10 \times 10 = \text{_____}$

(c)  $10 \times 100 = \text{_____}$



1. Add a quarter of an hour to this time.

1. Add 15 minutes to this time.

2. Colour the improper fraction  $\frac{8}{3}$ .



2. What is the area of a grid which measures 2 by 5?

3. Draw a  $2\frac{1}{2}$ -cm line and mark it as  $\overline{AB}$ .



\_\_\_\_\_ squares

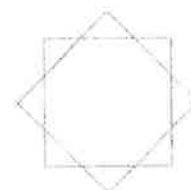
3. Write the number made by adding 1000 to eleven thousand and ten.

4.  $\$10.00 - \$4.40 =$  \_\_\_\_\_

4.  $\$10.00 - \$6.30 =$  \_\_\_\_\_

5. 1.7, \_\_\_\_\_, 0.9, 0.5, 0.1

5. Draw an octagon using the two squares as an aid.

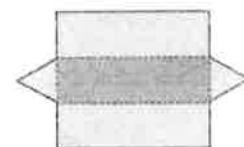


6. Counting by 10s, Lara wrote 20 000. What was the number before it?

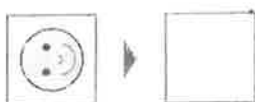
6. 7.7, 8.2, 8.7, 9.2, 9.7, \_\_\_\_\_

7.  $0.5 + 0.7 =$  \_\_\_\_\_

7. This is a net of a \_\_\_\_\_



8. Rotate a  $\frac{1}{4}$  turn anticlockwise.



8.  $6.37 = 6 + 0.3 + 0.07$

$2.92 =$  \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_

9.  $2.4 = 2.0 + 0.4$

$2.44 = 2 + 0.4 + 0.04$

$3.88 =$  \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_

9. Round 7.4 to the nearest whole number. \_\_\_\_\_

10.  $2300 - 900 =$  \_\_\_\_\_

10.  $0.7 + 0.8 =$  \_\_\_\_\_

11. odd  $\times$  odd = \_\_\_\_\_

11. What is the date one week after 24 June?

12.  $2 - 0.4 =$  \_\_\_\_\_,  $2 - 0.04 =$  \_\_\_\_\_

12. Share  $\$50.00$  equally among 4 people.

13. What is the area of a 7 by 5 grid? \_\_\_\_\_ squares

13. What is the place value of 8 in 12.8?

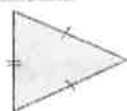
14.  $3.01 < 3.10$   true  false

1  10  0.1  0.01

15. Round 8650 to the nearest thousand. \_\_\_\_\_

14.  $2 + \frac{4}{10} =$  \_\_\_\_\_

16. How many lines of symmetry does this isosceles triangle have? \_\_\_\_\_



15. 9.5 m =  95 mm  905 mm  
 9050 mm  9500 mm

17. What is the date one week before 6 September?

16.  $\frac{8}{10} + \frac{1}{10} =$  \_\_\_\_\_

18. Complete the multiples of 8.

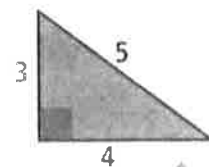
8, \_\_\_\_\_, 32, \_\_\_\_\_, 56, \_\_\_\_\_, 80

17.  $2 - 0.3 =$  \_\_\_\_\_

18.  $(9 \times \$20) + (6 \times \$10) = \$$  \_\_\_\_\_

19. 4.7 m =  470 cm  47 cm  407 cm  4700 cm

19. This right-angle triangle is also a \_\_\_\_\_ triangle.



20.  $200 + 250 + 300 + 250 =$  \_\_\_\_\_

20. How many lines of symmetry does the triangle have? \_\_\_\_\_

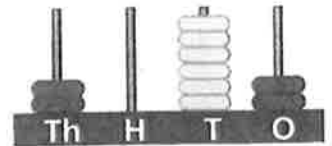


1. Add a quarter of an hour to this time.

1. Add 15 minutes to this time.

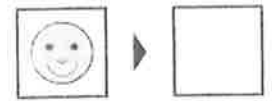
2.  $\$10.00 - \$9.70 =$  \_\_\_\_\_

2. If you add 5 more tens to the number shown, what is the new amount?



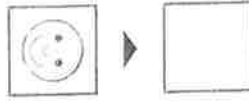
3.  $11 \times 11 =$  \_\_\_\_\_

3. Rotate the picture a  $\frac{1}{2}$  turn.



4. 10, 30, 90, \_\_\_\_\_, 810

5. Rotate a  $\frac{3}{4}$  turn clockwise.



6. What is the area of a 7 by 10 grid? \_\_\_\_\_ squares

4.  $3.19 =$  \_\_\_\_\_ + 0. \_\_\_\_\_ + 0. \_\_\_\_\_

7.  $11 \div 4 =$  \_\_\_\_\_, or  $(2 \times 4) + 3 = 11$

5. 60, 90, 70, 100, 80, \_\_\_\_\_

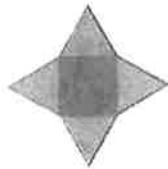
8.  $410 - 30 =$  \_\_\_\_\_,  $4100 - 300 =$  \_\_\_\_\_

6. Round 43.6 to the nearest whole number. \_\_\_\_\_

9. Round 37.2 to the nearest whole number. \_\_\_\_\_

7.  $2.4 \text{ t} =$   240 kg  2400 kg  24 kg  2040 kg

10. This is a net of a \_\_\_\_\_

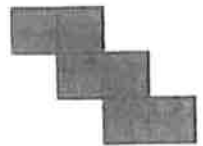


8.  $\$5.00 - \$2.70 =$  \_\_\_\_\_

9. Can an isosceles triangle be symmetrical? \_\_\_\_\_

11.  $0.9 + 0.7 =$  \_\_\_\_\_

10. This is a net of a \_\_\_\_\_



12. What is the number after 1699? \_\_\_\_\_

11.  $320 - 50 =$  \_\_\_\_\_

13.  $11 \times 12 =$  \_\_\_\_\_

12. Which equation is equal to  $9 \times 9$ ?

14.  $7.5 \text{ km} =$   750 m  7500 m  75 m  705 m

$90 - 9 = 81$

$80 + 9 = 89$

$10 \times 9 - 1 = 89$

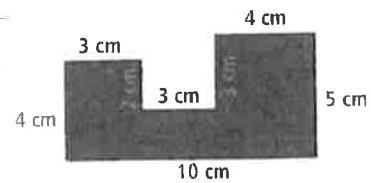
15. 24, 30, \_\_\_\_\_, 42, 48

13.  $440 - 100 =$  \_\_\_\_\_

16. What would you pay for 2 kg of peas at  $\$9.50$  per kg? \_\_\_\_\_



14. What is the perimeter?  
(Not to scale)



17. What is the number before 1890? \_\_\_\_\_

\_\_\_\_\_ cm

18.  $5 \overline{)70} =$  \_\_\_\_\_

15.  $82 \times 5 = (\text{_____} \times 5) + (\text{_____} \times 5)$

19.  $3 - 0.6 =$  \_\_\_\_\_,  $3 - 0.06 =$  \_\_\_\_\_

$= 400 + 10$

$=$  \_\_\_\_\_

		Lot 21	Lot 23	Lot 25	Lot 27
3	DRUIT STREET	PYRMONT WAY			
2		SYDNEY COVE ROAD			
1		ERSKINE STREET			
		100	102		
	A	B	C	D	E

20. (a) Which street is not in B1, B2 or B3?  
\_\_\_\_\_

(b) Write the coordinates for Erskine Street.  
\_\_\_\_\_

(c) What Lot is at D3? \_\_\_\_\_

16.  $700 + 600 + 1000 =$  \_\_\_\_\_

17.  $17 + 28 =$  \_\_\_\_\_,  $170 + 280 =$  \_\_\_\_\_

18. What is the probability of selecting a red marble from a bucket of 8 blue and 2 red marbles?

$\frac{2}{8}, \frac{1}{4}$  or 0.25

$\frac{2}{10}, \frac{1}{5}$  or 0.2

$\frac{6}{8}, \frac{3}{4}$  or 0.75

19. Alex bought a pack of 6 batteries for  $\$3.90$ . Is the cost per battery under  $\$1$  or over  $\$1$ ?  
\_\_\_\_\_

20.  $80 - 50 = 130$



1. What is the time? \_\_\_\_\_



2.  $\frac{2}{100} =$  \_\_\_\_\_ % = 0. \_\_\_\_\_

3. Which coin has the larger area?

- 5c       10c       \$2

4. Round 8.9 to the nearest whole number. \_\_\_\_\_

5.  $551\,000 +$  \_\_\_\_\_  $= 551\,894$

6. A nursery had 100 lemon trees. Look at the sales data and calculate the number of trees left to sell on Saturday.

	M	T	W	T	F	S
Sales	2	12	10	18	21	
Balance	98	86	76	58		

7. Write  $3\frac{1}{2}$  as an improper fraction. \_\_\_\_\_

8. What is the date 8 days prior to 1 January?  
\_\_\_\_\_

9. Mark this shape as an equilateral triangle.

Each angle must be \_\_\_\_\_°.



10. Which pairs are equivalent?

- $\frac{2}{3} = \frac{4}{3}$         $\frac{1}{2} = \frac{5}{10}$   
  $\frac{2}{5} = \frac{8}{10}$         $\frac{1}{2} = \frac{2}{4}$

11. Write  $\frac{5}{3}$  as a mixed number. \_\_\_\_\_

12.  $0.3 > 0.2 > 0.1$      true     false

13.  $0.08 \times 10 =$  \_\_\_\_\_

14. 0101 hours = \_\_\_\_\_  am     pm

15. A water filter pumped 500 L each minute. After 10 minutes it had filtered:

- $500 \times 10$       $500 \times 10 \times 60$       $500 \div 10 \times 60$

How many kilolitres did it pump in the 10 minutes?  
\_\_\_\_\_

16.  $\frac{25}{100} = 0.25 =$  \_\_\_\_\_ %

17. Rotate 720°.

18.  $7 \overline{)100} =$  \_\_\_\_\_ r \_\_\_\_\_

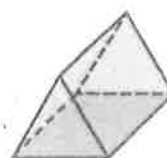
19. 8.1 m = \_\_\_\_\_ mm

20. Which is heaviest?     1 kg     100 g     0.5 t

1.  $\frac{1}{4} = 0.$  \_\_\_\_\_

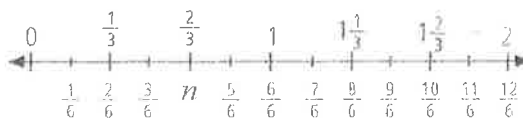
2. Write  $\frac{8}{3}$  as a mixed number. \_\_\_\_\_

3. There are \_\_\_\_\_ edges and \_\_\_\_\_ vertices on a triangular prism.



4. Round 11.3 to the nearest whole number. \_\_\_\_\_

5. What is the fraction at  $n$ ? \_\_\_\_\_



6. 1000 L = 1 kL

1000 kL =  1 mL or  1 ML (Megalitre)

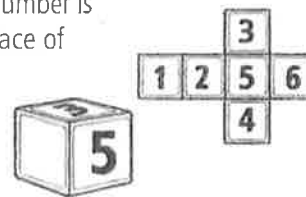
7. What is the rpm for this motor?

- 70       700  
 7000       0.7



8.  $\frac{1}{4}$  of 32 = \_\_\_\_\_

9. Look at the net. Which number is missing from the blank face of the cube?  
\_\_\_\_\_



10.  $0.15 = \frac{15}{100} =$  \_\_\_\_\_ %

11.  $44 \div 9 =$  \_\_\_\_\_ r \_\_\_\_\_

12. 0.6, 1.2, 1.8, \_\_\_\_\_, 3.0

13. What is the date 8 days prior to 8 August?  
\_\_\_\_\_

14. 0.9 km = \_\_\_\_\_ m

15. odd  $\times$  odd = odd,  $213 \times 43 =$

- 9158       9159       9160

16.  $\frac{8}{10} - \frac{2}{10} =$  \_\_\_\_\_ = 0

17. Write  $4\frac{1}{5}$  as an improper fraction. \_\_\_\_\_

18. 0010 hours = \_\_\_\_\_  am     pm

19.  $17 + 16 =$  \_\_\_\_\_

20. Which is the longest?

- 2 m       200 cm       2.05 m

1. Write in ascending order.

$\frac{1}{5}$        $\frac{3}{4}$        $\frac{2}{3}$        $\frac{1}{2}$

2. What is the time? \_\_\_\_\_



3.  $\frac{1}{2} > \frac{1}{3} > \frac{1}{4}$      true     false

4.  $900\,000 + \text{_____} = 909\,909$

5.  $\frac{32}{100} = 0.32 = \text{_____}\%$

6. Is 3 km or 2900 m longer? \_\_\_\_\_

7.  $1003 - 8 = \text{_____}$

8. 0.25, 0.50, 0.75, 1.00, \_\_\_\_\_

9.  $\$1.00 - \$0.25 = \text{_____}$

10.  $\frac{4}{12} = \frac{4 \div 4}{12 \div 4} = \text{_____}$

11.  $3 \overline{)100} = \text{_____} \text{ r } \text{_____}$

12. This is a \_\_\_\_\_.



13. 1.01 km = 1010 m

1.001 km = \_\_\_\_\_ m

14.  $37 \div 9 = \text{_____} \text{ r } \text{_____}$

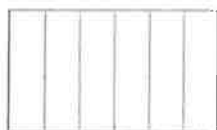
15. How many triangles can you find? \_\_\_\_\_



16. (a) Colour half in red.

(b) Colour  $\frac{2}{12}$  in blue.

(c) What fraction is uncoloured? \_\_\_\_\_



17.  $\$50.00 - \$33.50 = \text{_____}$

18. A desalination plant filters 500 kL of sea water every 2 hours. After 4 hours it filters \_\_\_\_\_ kL or \_\_\_\_\_ ML.

19. Write  $\frac{4}{3}$  as a mixed number. \_\_\_\_\_

20. Write  $6\frac{1}{6}$  as an improper fraction. \_\_\_\_\_

1. What is the time? \_\_\_\_\_



2.  $1040 - 11 = \text{_____}$

3. This is a pentagonal:

prism



pyramid

4.  $\frac{1}{8} < \frac{1}{7} < \frac{1}{6}$      true     false

5.  $1375 + 375 = \text{_____}$

6. How many faces are on the object in Question 3? \_\_\_\_\_

7. Circle the heavier side.



8.  $\frac{7}{10} = \frac{70}{100} = \text{_____} = \text{_____}\%$

9. Write  $\frac{31}{10}$  as a mixed number. \_\_\_\_\_

10. Iko swam 20 laps of a 50-m pool. How many metres did he swim altogether? \_\_\_\_\_



11. 1200 hours = \_\_\_\_\_  am     pm

12.  $0.489 \times 10 = \text{_____}$

13.  $180 + 90 = \text{_____}$

14.  $4009 - 100 = \text{_____}$

15. What was the date 6 days before 2 May? \_\_\_\_\_

16.  $\frac{6}{9} = \frac{6 \div 3}{9 \div 3} = \text{_____}$

17. Write  $\frac{10}{3}$  as a mixed number. \_\_\_\_\_

18.  $3 \times 4 + 4 = \text{_____}$

19.  $2 \times 13.5 = \text{_____}$

20.  $4.4 \div 4 = \text{_____}$



**MONDAY**



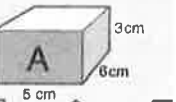
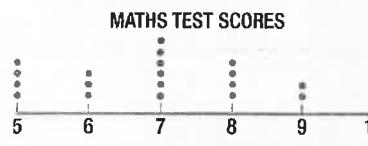
1. What is the time?
2. How many 50c coins make up \$20.00?
3. Your house plan is drawn using 1:100 as the scale. Measure this line and indicate the actual length in metres.
4. What is the smallest odd whole number that can be made from 8, 2, 7 and 8?
5.  $4.17 > 4.1$      true     false
6.  $1\ 400\ 000 =$                   million
7. What is the area of a 8 m-by-6 m floor?                  m<sup>2</sup>
8. What is the angle size between the hands of a clock that shows 9 o'clock?                   45°     90°     9°
9. Halve  $\frac{1}{5}$
10. Share \$10.00 equally among 4 people.  
each
11.  $\angle B =$
12. How many B boxes will fit into Box A?
13.  $997 + 6 + 9 =$
14.  $\$20.00 - \$4.80 =$
15. Which two towns are 202 km apart?
16.  $2^5 \times 100 =$
17. Name this shape.
18. Write half past one in the morning as 24-hour time.
19. Order from lowest to highest: 7, 0, -3, -9, 8.
20.  $8 \times 12 = 4 \times$                   =



MY SCORE

**TUESDAY**


1.  $0.38 = \frac{\quad}{10} + \frac{\quad}{100}$
2. Add squares to create a pentomino.
3. Scale: 1 cm = 5 km. What is the distance from Dubbo to Tubbo?
4. If the time is 8.00 pm, what will it be in 20 hours?
5.  $90 \times 9 = 810$ ,  $89 \times 9 =$
6. Double 0.7.
7. What is the median score?
8. What is the ratio of boys to girls if a class has 10 boys and 20 girls?
9. Round 7.07 to the nearest tenth.
10. If  $b \times 12 = 108$ , then  $b =$
11.  $32 \div 8 =$                    $\div 4$
- 12.
13. What is the volume of this block?                  cm<sup>3</sup>
14. Draw each shape's diagonals and write how many each has.
15. A timetable shows 6-minute intervals. If a bus leaves i depot at 6.10 am and has 3 stops, at what time is the third stop?
16. Is 433 divisible by 3?     yes     no
17. How many 20c coins make up \$12.00?
18.  $80 \times 50 =$
19.  $47.5 \quad 10 = 4.75$
20. A hat contains 7 boys' names and 8 girls' names. What is the chance of picking a girl's name?



MY SCORE

# WEDNESDAY



- What is the time?
- A classroom has a rectangular perimeter of 30 m. One wall is 8 m long. What is the floor area?
- $999\,997 + 6 =$
- $75\%$  of  $200 =$
- What is the ratio of girls to boys if a class has 20 girls and 10 boys?
- Round 29.35 to the nearest whole number.
- Simplify  $2\frac{1}{24}$
- Draw a  $\frac{1}{4}$  turn clockwise. 
- $3^3 =$
- Luke's farm paddock is square and has 3 fence posts along each side. How many fence posts altogether?

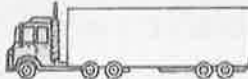
- Write *six-hundredths* as a decimal.  
Write *six-thousandths* as a decimal.

- Name this 3-D shape.



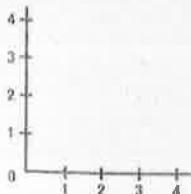
- 

What number would the midpoint be?

- $1\,040\,000 =$  million
- $8\frac{1}{3} - 2\frac{2}{3} =$
- A small truck has an aggregate of 4 t and a gross load of 2.5 t. What is the truck's tare? 
- How many faces does a cube have?
- If you can ride your bike  $4\frac{1}{2}$  kilometres in 12 minutes, how far can you ride in 1 hour?

19.  $(16 - 7) - (12 \div 4) =$

- Write  $x$  at (1, 4),  $y$  at (2, 3) and  $z$  at (3, 2).



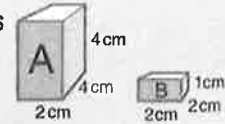
MY SCORE

# THURSDAY



- What is the time?

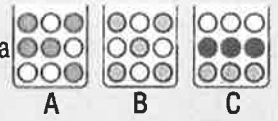
- How many B boxes fit into Box A?



- Draw a reflection.

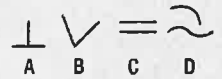
yPe

- Which tub of marbles, if any, has an even chance (50%) of a white marble being randomly selected.



- $300, 30, 3,$

- If  $300 \div c = 60$ , then  $c =$



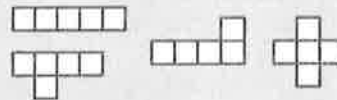
- Which lines are parallel?

Which lines are perpendicular?

- $7\overline{)357} =$

- Simplify  $\frac{30}{36}$ .


- Draw a different pentomino than the ones shown.



- $26\,250 + 4750 =$

- Write 1.12 million as a numeral.

- $8.00 > 8.08$   true  false

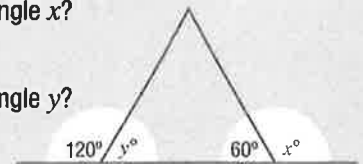
- What is the number halfway between 18 and 28? 

- A square paddock has 4 fence posts along each side. How many fence posts are there altogether?

- $2 - 0.01 =$  ,  $2 - 0.001 =$

- What is the size of angle  $x$ ?

What is the size of angle  $y$ ?



- How many 20c coins make up \$6.80?

- $200 \times \frac{4}{10} =$

- If the time is 7.30 am, what will it be in  $8\frac{1}{2}$  hours?

MY SCORE

# Week 6

## Day 1

1.  $\sqrt{144} =$  \_\_\_\_\_
2.  $0.3 + 0.1 =$  \_\_\_\_\_
3.  $0.3 - 0.1 =$  \_\_\_\_\_
4.  $0.3 \times 0.1 =$  \_\_\_\_\_
5.  $0.3 \div 0.1 =$  \_\_\_\_\_
6. Sixty tickets at \$50 each cost \_\_\_\_\_.
7. How much will it cost to fill a 50-L petrol tank at \$1.25 per litre? \_\_\_\_\_
8. If one dice is rolled, what is the chance of throwing a 3? \_\_\_\_\_
9. Find 35% of \$100. \_\_\_\_\_
10. Increasing order is also known as a \_\_\_\_\_ order.
11. Direction can be determined with the use of a \_\_\_\_\_.
12. Two boys, aged 10 years and 12 years, receive \$44 and split it according to the ratio of their ages. How much money does the elder receive? \_\_\_\_\_
13. Six more than  $f$  is \_\_\_\_\_.
14. What is the length of time passed from 8.25 am to 3.00 pm? \_\_\_\_\_
15.  $\frac{5}{8} - \frac{1}{2} =$  \_\_\_\_\_
16. If  $l = 20$ , find the value of  $\frac{3}{4}l$ . \_\_\_\_\_
17. Which is the better deal: 20c per text message or 30 text messages for \$5?  
\_\_\_\_\_
18. What chance is there of rolling a total of 12 with two dice? \_\_\_\_\_
19. On a compass, what is the smaller angle size from south to south-west?  
\_\_\_\_\_
20. If  $n = 3$ , find the value of  $5(2 + n)$ .  
\_\_\_\_\_

## Day 2

1.  $12^2 =$  \_\_\_\_\_
2.  $0.3 + 0.2 =$  \_\_\_\_\_
3.  $0.3 - 0.2 =$  \_\_\_\_\_
4.  $0.3 \times 0.2 =$  \_\_\_\_\_
5.  $0.3 \div 0.2 =$  \_\_\_\_\_
6. Sixty tickets at \$40 each cost \_\_\_\_\_.
7. An angle greater than  $90^\circ$  but less than  $180^\circ$  is known as an \_\_\_\_\_ angle.
8. If two dice are thrown, what chance is there of rolling a total of 3?  
\_\_\_\_\_
9. Find 76% of \$100. \_\_\_\_\_
10. If  $o = 4$ , find  $4o - 6$ . \_\_\_\_\_
11. Wind speed can be measured with an \_\_\_\_\_.
12. Two boys, aged 10 years and 12 years, receive \$66 and split it according to the ratio of their ages. How much money does the younger receive? \_\_\_\_\_
13. Four less than  $q$  is \_\_\_\_\_.
14. What is the length of time passed from 8.40 am to 3.05 pm? \_\_\_\_\_
15.  $\frac{7}{8} - \frac{1}{4} =$  \_\_\_\_\_
16. If  $m = 18$ , find the value of  $\frac{m}{9}$ . \_\_\_\_\_
17. If fuel costs \$1.40 per litre and Quang spends \$42, how many litres has he purchased?  
\_\_\_\_\_
18. What chance is there of rolling a total of 7 with two dice?  
\_\_\_\_\_
19. On a compass, what is the smaller angle size from south to south-east?  
\_\_\_\_\_
20. How much will it cost to fill a 50-L petrol tank at \$1.21 per litre? \_\_\_\_\_

Score: \_\_\_\_\_

/20

%

Score: \_\_\_\_\_

/20

%

# Week 6

## Day 3

1.  $\sqrt{169} =$  \_\_\_\_\_
2.  $0.3 + 0.3 =$  \_\_\_\_\_
3.  $0.3 - 0.3 =$  \_\_\_\_\_
4.  $0.3 \times 0.3 =$  \_\_\_\_\_
5.  $0.3 \div 0.3 =$  \_\_\_\_\_
6. Sixty tickets at \$80 each cost \_\_\_\_\_.
7.  $\$20 \times 12 =$  \_\_\_\_\_
8. Find 30% of \$300. \_\_\_\_\_
9. How many sides are there on a 2-D arrowhead shape? \_\_\_\_\_  
(Hint: Not a triangle.)
10. Sea depth is measured in \_\_\_\_\_.
11. A piece of string is cut into two lengths in a ratio of 3:4. If the smaller length is 90 cm, what is the other length?  
\_\_\_\_\_
12. Five more than  $g$  is \_\_\_\_\_.
13.  $\frac{3}{4} - \frac{1}{2} =$  \_\_\_\_\_
14. What chance is there of rolling a total of 10 with two dice? \_\_\_\_\_
15.  $4\frac{1}{2}$  days in hours is \_\_\_\_\_.
16. The formula  $\frac{1}{2}bh$  finds the area of what shape?  
\_\_\_\_\_
17. Decreasing order is also known as \_\_\_\_\_ order.
18. On a compass, what is the smaller angle size from north-east to east?  
\_\_\_\_\_
19. How much will it cost to fill a 50-L petrol tank at \$1.36 per litre? \_\_\_\_\_
20. If  $p = 5$ , find  $5p + 7$ . \_\_\_\_\_

## Day 4

1.  $13^2 =$  \_\_\_\_\_
2.  $0.3 + 0.4 =$  \_\_\_\_\_
3.  $0.3 - 0.4 =$  \_\_\_\_\_
4.  $0.3 \times 0.4 =$  \_\_\_\_\_
5.  $0.3 \div 0.4 =$  \_\_\_\_\_
6. Sixty tickets at \$90 each cost \_\_\_\_\_.
7.  $\$25 \times 12 =$  \_\_\_\_\_
8. Find 30% of \$3900. \_\_\_\_\_
9. An arrowhead shape is also known as a \_\_\_\_\_  
d \_\_\_\_\_.
10. Speed can be measured in \_\_\_\_\_ / \_\_\_\_\_.
11. In a class of 25 students, the pass rate was 4:1. Calculate the number of students who failed.  
\_\_\_\_\_
12. Six fewer than  $k$  is \_\_\_\_\_.
13.  $\frac{3}{4} - \frac{1}{8} =$  \_\_\_\_\_
14. What chance is there of rolling a total of 5 with two dice? \_\_\_\_\_
15.  $3\frac{1}{2}$  minutes in seconds is \_\_\_\_\_.
16. One-thousandth of a gram is a m \_\_\_\_\_.
17. A plan for spending and saving money is known as a b \_\_\_\_\_.
18. On a compass, what is the smaller angle size from west to north-east? \_\_\_\_\_
19. How much will it cost to fill a 50-L petrol tank at \$1.30 per litre?  
\_\_\_\_\_
20. If  $a = 3$  and  $b = 4$ , find  $2a + 3b$ .  
\_\_\_\_\_

Score: /20 %

Score: /20 %

# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS

## WEEK 1 – pages 2–4

### MONDAY

- 1.
2. 93
3. (a) 30 (b) 700
4. 381, 382, 383, 384, 390, 391, 393, 394, 400, 402, 403, 404, 405
5. 100
6. 10
7. 5
8. 100
9.  $\frac{1}{4}$  turn
10. (a) 135 (b) 287
11. 10
12. 8
13. 16
14. 4
15. 10

### TUESDAY

1. 1
2. 92
3. Answers will vary
4. 6
5. A4, B1, C3, C2, E5
6. 111
7. 23
8. 14
9. 100
10. (a) 236 (b) 697
11. 6 green  
10 yellow  
7 blue
12. 6
13. 18
14. 3
15. 9

### WEDNESDAY

1. 130
2. 13
3. 7
4. 8
5. 14
6. 9 green  
6 yellow  
10 blue
7. 2
8. 20
9. 6
10. 14
11. 9
12. Saturday
13. Tues, Wed, Thur
14. 31
15. Tuesday

### THURSDAY

1. (a) 8 (b) 4  
(c) 2 (d) 4
2. 7
3. 50
4. (a) 12 (b) 32
5. 30 + 8
6. 500

7. 890
- 8.
9. 9
10. (a) 30 (b) 100
11. 6
12. 35
13. 5 m
14. 15
15. 4 km

### PROBLEM-SOLVING

- Monday
1. 1, 7, 2
  2. 3, 5, 2
- Tuesday
1. 3 + 9, 8 + 4, 7 + 5
  - 2.
- Wednesday
1. June
  2. 5
- Thursday

### FRIDAY REVIEW

1. June
  - 2.
- FRIDAY REVIEW
1. 1.20
  2. 22
  3. 17
  4. (a) 200 (b) 1000
  5. \$1.20
  6. 16
  7. 50
  8. 38
  9. 10
  10. 25
  11. 212
  12. 80
  13. 75
  14. 7
  15. 2
  16. square E  
pentagon B
  17. 7
  18. 5.15, 5
  19. Uki
  20. 49 m

## WEEK 2 – pages 5–7

### MONDAY

- 1.
2. (a) 371 (b) 864
3. 80
4. 4
5. 170
- 6.
7. 8
8. B
9. 14
10. A = 4  
B = 3
11. 13
12. 4
13. 10
14. 12

15. 40 green  
20 yellow  
30 blue

### TUESDAY

1. 3.30, 3
2. 20
3. 20
4. sunset
5. 93
6. 9, 3, 5
7. 8 tens, 4 ones
8. dark
9. Teacher check
10. octagon
11. 17
12. 3
13. 15 blue  
17 green  
14 yellow
14. 3
15. 9

### WEDNESDAY

1. 6
2. (a) 10 (b) 20
3. 30
4. sunrise
5. 119, 115
6. \$5
7. B
8. 9.30, 9
9. 3
10. 17
11. 15
12. 8
13. 21
14. 34
15. 6

### THURSDAY

1. 12
2. 1.45, 2
3. Answers will vary
4. Answers will vary
5. cylinder C  
cube B  
pyramid A
6. 100
7. 100
8. 4, 8, 12
9. 4
10. (a) 4 (b) 10
11. 286
12. 700
13. 17
14.  $\frac{1}{2}$  turn
15. \$1.10

### PROBLEM-SOLVING

- Monday
1. 40
  2. 20
- Tuesday
1. 16
  2. 22
- Wednesday
1. \$3.50
  2. \$1.80

Thursday

1. 3
2. 12

### FRIDAY REVIEW

1. 700
2. 90
3. (a) 12  
(b)  $12 \div 3 = 4$   
(c) 3
4. 94
5. 90
6. 150
7. 35c
8. 8
9. 18
10. 910, 480
11. 380
12. 18 blue  
13 yellow  
19 green
13. 9, 7
14. 7, 5
15. 11.45, 12
16. B  
Einin C  
Jess A  
Vina B
18. 1149 m
19. or
20. cylinder B  
cube A

## WEEK 3 – pages 8–10

### MONDAY

1. 118, 116, 112
  2. 11
  3. 109
  4. 6.15, 6
  5. sunset
  6. 

5	2	7
---	---	---
  7. 100
  8. 

0–100	81, 47
110–130	111
131–200	199, 133
201–500	215
  9. 43
  10. \$20, \$100, \$50, \$10, \$5
  11. 14
  12. 9
  13. 6
  14. 10 blue  
5 green  
15 yellow
  15. 3
- TUESDAY
1. 8.30, 8
  2. column
  3. midday
  4. (a) 1000 (b) 18
  5. 135
  6. 16

7. +
8. –
9. 14
10. 8
11. 11
12. 18
13. 10 yellow  
14 green  
0 blue
14. A
15. C

### WEDNESDAY

1. round
2. 21
3. 4
4. row
5. E
6. 30 + 5
7. 100 + 10
8.  $\div$
9. 5
10. 10 green  
11 blue  
12 yellow
11. 22
12. 13
13. 8
14. C
15. B

### THURSDAY

1. sphere, prism or cone
2. 3, 2
3. water
4. \$2.60
5. D
6. +
7.  $\times$
8.  $\div$
9. –
10. 8
11. B and C
12. 180 m
13. 101
14. D
15. C

### PROBLEM-SOLVING

- Monday
1. 5
  2. 5
- Tuesday
1. triangle
  2. square
- Wednesday
1. 4
  2. \$1.90
- Thursday
1. 12
  2. 15

### FRIDAY REVIEW

1. 14
2. one hundred and thirty-five
3. 120 + 10
4. 303
5. 20
6. \$1.05

# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS


7. 24, 27
8. 100
9. 110
10. 700
11. 690
12. +
13. \$1.50
14. 102
15. 12
16. 12 am
17. 5
18. False
19. B
20. even

## WEEK 4 – pages 11–13


### MONDAY

1. circle
2. 34
3. 15
4. 15
5. 3, 3
6. \$1.60
7. (a) 3 (b) starfish
8. 11 green  
10 blue  
9 yellow
9. 12
10. 1
11. 5
12. 10
13. 5
14. Tuesday
15. Thursday

### TUESDAY


1. 6, 6, 30
2. 
3. 4
4. 53
5. \$4.50
6. 88
7. 90
8. 150 + 10
9. 65 m
10. 6 hours
11. 8
12. 10
13. 2
14. 11
15. 1

### WEDNESDAY


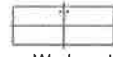
1. 
2. 107, 170, 299, 303
3. C
4. 190 + 10
5. 6
6. +
7. ×
8. C
9. 10
10. 16
11. 10
12. 4
13. 13 yellow

12. blue
14. green
14. B
15. D

### THURSDAY

1. 
2. 100
3. 4
4. 11, 11
5. 20
6. 80
7. 10
8. 302, 399, 401
9. 16
10. 15
11. (7, 9)
12. 21
13. 1000
14. Teacher check
15. 298, 292

### PROBLEM-SOLVING

- Monday
1.  $\frac{1}{3}$
  2.  $\frac{3}{4}$
- Tuesday
1. 
  2. 
- Wednesday
1. 100
  2. 150
- Thursday
1. 80
  2. 100

### FRIDAY REVIEW

1. 10
2. \$18
3. 190, 196, 200
4. 4 + 6  
5 + 6  
5 + 7  
4 + 9
5. 2
6. +
7. ×
8. 120
9. 3
10. 1
11. 15 green  
13 yellow  
14 blue
12. 60
13. 12
14. 1, 12
15. B
16. A = 4  
B = 1.5  
C = 3
17. 81 m
18. cone B  
pyramid A  
cube C
19. 34
20. 7

## WEEK 5 – pages 14–16

### MONDAY

1. 6
2. 4, 4
3. 7
4. (a) 12 (b) 22
5. 1926
6. ••
7. ×
8. +
9. 12
10. 3
11. 7
12. 1, 3, 5, 7, 9
13. 10
14. Teacher check
15. (a) Teacher check  
(b) one half of AB


### TUESDAY

1. 12, 12
2. 110
3. 520, 522, 524
4. 24
5. west
6. column
7. (a) 300 (b) 3000
8. 6
9. 3
10. 15
11. 8
12. 10
13. M
14. K, July
15. K, June

### WEDNESDAY





1. yes
2. Answers will vary
3. •••
4. +
5. ×
6. (a) 700 (b) 7000
7. C
8. 440
9. \$40
10. 7, 7
11. 3
12. 23
13. 2, 4, 6, 8, 10
14. 8
15. 10

### THURSDAY


1. yes
2. 
3. 30
4. \$100
5. 2378
6. 6 + 8 = 14 or  
8 + 6 = 14,  
14 - 8 = 6 or  
14 - 6 = 8
7. +
8. B

9. ÷
10. (10, 4)
11. Buy 1 full tub
12. 900
13. 8
14. 11, 5, 2
15. A, D, E, F, G, C, B

### PROBLEM-SOLVING

- Monday
1. 33
  2. August
- Tuesday
1. 
  2. 
- Wednesday
1. 
  2. 
- Thursday
1. 6
  2. 28

### FRIDAY REVIEW

1. ×
2. ÷
3. 495, 500
4. 31
5. 352
6. 998, 996, 994
7. 9, 7, 5, 3, 1
8. 27
9. 12
10. 8
11. square
12. Sunday
13. 
14. 60
15. 14
16. Domenic
17. 2017
18. Teacher check
19. Teacher check
20. 15

## WEEK 6 – pages 17–19

### MONDAY

1. (a) × (b) +
2. 20
3. 20
4. 1, 1
5. ×
6. ÷
7. B
8. 16
9. 7
10. 2
11. 60 yellow  
30 green  
80 blue
12. 3
13. 28

14. 8
15. Friday

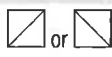
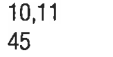
### TUESDAY

1. 2, 3
2. 23
3. 5
4. 12, array
5. 20
6. (a) 8301  
(b) 8310
7. (a) × (b) -
8. 409, 411
9. 40, 40
10. 2
11. 50 yellow  
70 blue  
20 green
12. 16
13. 4
14. 6
15. 44

### WEDNESDAY

1. 5
2. 80 green  
90 yellow  
40 blue
3. 5
4. 4
5. 24
6.  $\leftrightarrow$
7.  $\frac{3}{4}$
8. 150 °C
9. 120, 190
10. 530
11. kilometre
12. each
13. hour
14. 24
15. 4

### THURSDAY

1.  or 
2. 10, 11
3. 45
4. (a) 8429  
(b) 9842
5. 40 + 12 = 52
6. 5
7. 1000
8. 36
9. curved surface
10. 50c
11. ×
12. 100
13. (a) 35  
(b) 20
14. 750
15. \$2.15

### PROBLEM-SOLVING

- Monday
1. 10
  2. 5
- Tuesday
1. 600 m
  2. 750

# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS

Wednesday

- \$10
- \$8.50

Thursday

- 
- Teacher check

**FRIDAY**

- 4
- 800
- 587
- 100
- 24
- $40 + 10 = 50$
- 5
- 998
- (a) 7631  
(b) 1367
- 4
- 24
- 700
- 48
- 3, 15
- 20 yellow  
120 blue  
60 green
- 9
- 8
- or
- 3
- 20

WEEK 7 – pages 20–22

**MONDAY**

- 80
- 3
- 17
- 10
- 5 yellow  
4 blue  
6 green
- right
- $\frac{1}{4}$
- 1
- 200
- 150 °C
- under
- 909
- 20 km/h
- 40
- 10 km

**TUESDAY**

- 5, 4
- 6
- 
- (a) 14  
(b) even
- 1001
- 1, 10, 9,  
40, 10, 50
- row
- 9 yellow  
8 blue  
10 green

- 13
- 90
- 4
- 10
- 28
- 1, 8, 15, 22
- Thursday

**WEDNESDAY**

- yes
- Teacher check
- 14
- 10 001
- 21
- (a) 389, 391  
(b) 899, 901
- 20
- 4
- 14 kg
- 7, 6
- 9
- 10
- 10
- 20
- 7 blue  
8 yellow  
9 green

**THURSDAY**

- 
- 14
- 9, 8
- 4, 3
- 4
- 2009
- C
- 60
- 5
- \$2.70
- x
- x
- 
- grams
- (a) 190  
(b) 100  
(c) 50

**PROBLEM-SOLVING**

- Monday
- dogs/birds
  - dogs/cats
- Tuesday
- B
  - 5, 7, 2
- Wednesday
- -
- Thursday
- \$3
  -

**FRIDAY REVIEW**

- $130 + 10$
- 14

- 99
- 110
- 909
- 3 thousand  
0 hundreds  
4 tens  
7 ones
- B
- 1000
- +
- (5, 9)
- 800
- \$3
- 70
- 41
- 6 blue  
7 green  
5 yellow
- Teacher check
- Saturday
- 3, 2
- 
- students

WEEK 8 – pages 23–25

**MONDAY**

- 
- 
- 
- 8
- C pentagon  
A hexagon  
B octagon
- 110
- 1000
- 24
- B
- 12
- 12
- 15
- 8 green  
7 yellow  
9 red  
6 blue
- 12
- 2

**TUESDAY**

- 5, 11
- 
- 4, 10
- 11
- 6
- \$2.10
- A
- C, A, D, B
- 1010
- 1300
- 18
- 12
- 11
- 11
- 4

**WEDNESDAY**

- no
- 15
- 4, 8
- correct
- (a) 99, 1001  
(b) 1009, 1011  
(c) 1900, 1902
- 140
- +
- \$3
- 600
- 4
- 9
- 26
- 100
- 15 yellow  
18 green  
12 blue
- 12

**THURSDAY**

- 4
- 
- 4, 10  
3, 4, 3  
800  
1000  
B Cone  
C pyramid  
A prism
- 873, 901, 1048, 1090,  
1201
- 6, 15, 21
- 700, 120, 40, 860
- 140
- hexagon
- 20, 32
- x
- ÷

**PROBLEM-SOLVING**

- Monday
- B
  - Teacher check
- Tuesday
- 6
  - 3
- Wednesday
- 4
  - 15
- Thursday
- 58
  - 68

**FRIDAY REVIEW**

- A 125  
B 150  
C 175
- 12
- 4
- 10, 0
- 1000
- 13
- 18
- 990
- $\$2.50 + \$2.50 = \$5$

- 35
- 20
- 12 green  
24 blue
- 
- 4 cm C  
2 cm A  
3 cm B  
 $3\frac{1}{2}$  cm D
- 20 cm
- 10 kg
- pentagon
- 8
- Teacher check
- even

WEEK 9 – pages 26–28

**MONDAY**

- yes
- no
- 
- 14
- 7
- 1000
- \$6
- 40, 3, 10, 8,  
50, 11, 61
- C
- 1000, 10, 1
- 3
- 6
- 7
- 13
- 3 yellow  
4 green  
2 blue

**TUESDAY**

- yes
- no
- B
- 60
- 120
- 
- 4
- correct
- 1000
- 1010
- 6 yellow  
5 blue  
7 green
- 2
- 5
- 13
- 10

**WEDNESDAY**

- \$3
- 15
- 6
- 1297, 1303, 1320
- $8 + 7 = 15$

# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS

or  $7 + 8 = 15$ ,  
 $15 - 7 = 8$  or  
 $15 - 8 = 7$

6. 100
7. A, D
8. 780
9. B



10. 5
11. 5
12. 5
13. 13
14. 2
15. 3

## THURSDAY

1. yes
2. 12
3. 100
4. 2909, 2919, 2959, 2990

5. 5, 12
6. 50 seventy  
 60 eighty  
 70 fifty  
 80 sixty

7. 53
8. 1000
9. autumn
10. 1 in 3

11. 1, 5
12. March
13. 24
14. Teacher check
15. Teacher check

## PROBLEM-SOLVING

Monday

1. 6–31 circled
  2. 8, 15, 22, 29
- Tuesday

1. 1.00 or 1 o'clock
2.  $3\frac{1}{2}$  hrs

Wednesday

1. 1 hr 35 min.
2. 50 km

Thursday

1. November
2. 4

## FRIDAY REVIEW

1. 30c
2. 5
3. 850
4. 2 hats shaded
5. 2 hats shaded
6.  $30 + 6 + 30 + 6 = 60 + 12 = 72$
7. 4
8. 39
9. 13
10. 5
11. 12
12. 6 green  
4 blue
13. June
- 14.

15. metres
16. 3
17. summer, winter
18. Teacher check
19. 2 and 2  
or 3 and 1
20. 10

## WEEK 10 – pages 29–31

### MONDAY

- 1.
2. 13
3. 4321
4. 1111
5.  $\frac{1}{2}$  turn
6. 80
7. 2
8. 4
9. 95
10. 84
11. 13 blue  
15 green  
14 yellow
12. 3
13. 10
14. 0
15. 10

### TUESDAY

1. 200
2. 12

3. 7
4. 79
5. 8
6. 5
7. hexagon
8. 10
9. 5
10. 21 green  
18 yellow  
15 blue

11. 14
12. 9
13. 6
14. 28
15. Tuesday

### WEDNESDAY

1. 8
2. 6
3. 10
4. 400
5. 18 units
6. 13
7. 20
8. 14
9. 30
10. 10
11. 25
12. 10
13. Apple
14. Kiwi
15. 10

## THURSDAY



- 1.
2. 6
3. midday
4. 14
5. +
6. 20, 2
7.  $\div$
8. 70
9. 4
10. C
11. 130
12. False
13. (a) 24 (b) 60 (c) 60
14. 200
15. 7

## PROBLEM-SOLVING

Monday

1. 7, 7  
5, 9  
6, 8

2. 8
- Tuesday

1. 8
  2. pentagon
- Wednesday

1. 90
2. 100

Thursday

- 1.
- 2.

## FRIDAY REVIEW

1. 700
2. 1214
3. 800
4.  $\times$
5. 350
6. 24
7. 30
8.  $50 + 3 + 20 + 9 = 70 + 12 = 82$
9. 704
10. 1011
11. 790
12. 500
13. 30
14. 11
15. C or
16. or
17. 20
18. 25, 9
19. 2, 5 or 3, 4
20. 20

## WEEK 11 – pages 32–34

### MONDAY

1. Teacher check
2. 100
3. 1000

4. 12
5. Teacher check
6. 4
7. 12
8. 120
9. (a) 90, 93  
(b) 39, 42
10. \$2
11. 16
12. 10
13. 15
14. 21
15. 10

### TUESDAY

1. 4, 10, 4
- 2.
3. 1
4. A
5. 4 cm
6. 53
7. 9000
8. 14
9. red triangle
10. 1, 0, 2
11. 15
12. 23
13. 2
14. 8
15. 27

### WEDNESDAY

1.  $>$ ,  $=$ ,  $<$
2. 4, 2
3. 13
4. 4
5. A cylinder,  
B pyramid,  
C prism
6. 400
7. 5
8. 700
9. \$1.30
10. 7
11. 2
12. 15
13. 88 green  
33 blue  
55 yellow
14. 22
15. 12

### THURSDAY

- 1.
2. red 2  
yellow 4  
green 3  
blue 1
3. 16
4. 73
5. 1075 B  
950 D  
850 A  
675 C
6. 995, 996, 997  
999, 1000, 1001
7. 3
8. 1100

9. 12 am
10. \$3
11. 1100
12.  $\times$
13. 850
14. 31
15. A

## PROBLEM-SOLVING

Monday

1. 5
2. 2

Tuesday

1. \$18.50
2. 16

Wednesday

1. 1000 m or 1 km
2. 250 m

Thursday

1. 5784
2. 32 125

## FRIDAY REVIEW

1. 4
2. 1200
3. 150
4. 300
5.  $\div$
6. 151
7. (a) \$1  
(b)  $25c + 25c + 25c + 25c = \$1.00$
8. 25
9. 35
10. 140
11. \$2
12. 41
13. 31
14. 2
15.  $>$ ,  $<$ ,  $=$
16. 24 cm
17. 12 pm
18. A
19. false
20. 16

## WEEK 12 – pages 35–37


### MONDAY

1. A
2. 2, 0, 3
3. 11
4. 120
5. 4.10, 4
6. 2
- 7.
8. 8
9. 7
10. 203
11. 4 yellow  
3 blue  
5 green
12. 16
13. 15
14. 8
15. 11




# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS



## TUESDAY

1. 10.10, 10
2. 100
3. 
4. 1, 0, 8
5. 43
6. 400
7. C
8. 20
9. 11 blue  
9 yellow  
5 green
10. 6
11. 19
12. 3
13. 6
14. 60 c
15. \$1.10

## WEDNESDAY

1. 
2. 11, 0, 4
3. 2.05
4. -
5. 110
6. 170
7. 304
8. 10
9. 24
10. 3 blue  
1 green  
2 yellow
11. 5
12. 6
13. 0
14. B, Lorne, June
15. A, Windy Harbour, July

## THURSDAY

1. 
2. 23
3. 9.05, 9
4. 40, 6, 4
5. 98
6. +
7. (a) 1009, 1011  
(b) 10 099, 10 101
8. 10
9. 20
10. 30
11. 10 101
12. 27
13. pyramid
14.  $20 + 4 + 40 + 6 = 60 + 10 = 70$
15. 

## PROBLEM-SOLVING

- Monday
1. 7
  2. 24
- Tuesday
1. 15 g and 10 g
  2. 25


## Wednesday

1. 125
2.  $6\frac{1}{2}$  hrs

## Thursday



1. 27
2. B

## FRIDAY REVIEW

1. 96
2. x
3. 28, 7
4. 2
5. 190
6. 505
7. 1099, 999
8. \$2
9. 9
10. 6
11. A
12. 4
13. 0
14. 97
15. South
16. B
17. 2.05
18. 
19. Teacher check
20. Teacher check

## WEEK 13 – pages 38–40

## MONDAY

1. 
2. 9
3. 40, 1
4.  $93 + 7 = 100$
5. (a) 1008  
(b) 11 110
6. 27
7. 
8. June, July, August
9. 44
10. 24
11. 20
12. 5
13. 5
14. B 4 cm  
A  $3\frac{1}{2}$  cm  
C 3 cm
15.  $10\frac{1}{2}$  cm

## TUESDAY

1. 505
2. 30, 9
3. Teacher check
4. 110
5. <, =, >
6. 15
7.  $\frac{1}{8}, \frac{1}{4}, \frac{1}{2}$
8. 4, 1  
3, 2
9. 28
10. 1008
11. 20
12. 122
13. 99

14. 4
15. 5


## WEDNESDAY

1. 4
2. 18
3. 170
4. \$1.05
5. 3
6. 88
7. 3
8. 13
9. 36
10.  $\leftarrow \Rightarrow$
11. one quarter
12. 1260 km
13. 60 km
14. 100 °C
15. 200 km/h

## THURSDAY



1. 100
2. 1010
3. A
4. 12
5. 10, 0, 9
6. 20
7. 6
8. 5
9. 10
10. 200
11. +
12. 140
13. 1100
14. 8, 4
15. 5, 8

## PROBLEM-SOLVING

- Monday
1. 9
  2. 27
- Tuesday
1. 45
  2. 7
- Wednesday
1. 24
  2. 24
- Thursday
1. 30
  2. 


## FRIDAY REVIEW

1. 13
2. 500
3. 250
4. 1272
5. 960
6. 8
7. 41
8. x
9. -
10. 110
11. 77
12. 3
13. 140
14. 54
15. eastern
16. November and December

17. Teacher check
18. B, A, C
19.  $\frac{1}{4}$  turn anticlockwise 
20. 

## WEEK 14 – pages 41–43

## MONDAY

1. 
2. 30
3. 22
4. 15
5. 7
6. 1 in 6
7. 2, 1
8. 10
9. 8
10. 21
11. 4
12. 15
13. Piano
14. Drums
15. Flute

## TUESDAY

1. quarters
2. 1100
3.  $5 + 9 = 14$   
 $14 - 9 = 5$
4. 2135
5. 750
6. 5
7. x
8. 4, 1, 0
9. Buy one full tub
10. B
11. 40
12. 3
13. 16 yellow  
18 green  
14 blue
14. 29
15. 25

## WEDNESDAY

1. 2
2. 850
3. 51
4. 10
5. 27, 25
6. 4, Teacher check
7. 1278
8. ÷
9. cube
10. South
11. 29
12. 10
13. 6
14. 49 green  
29 blue  
39 yellow
15. 35

## THURSDAY


1. 10
2. 9
3. 1200
4. x

5. 10, 9
6. (a) 850 (b) 800  
(c) 600 (d) 750
7. 21 + 20
8. 12 am
9. 10
10. 1 in 4
11. 65
12. 160
13. 14
14. (a) 1100, 1102  
(b) 10 989, 10 991
15. 1100, 1110

## PROBLEM-SOLVING


- Monday
1. (a) 2 (b) 3
  2. 80
- Tuesday
1. 300
  2. 2
- Wednesday
1. Teacher check
  2. Teacher check
- Thursday
1. Teacher check
  2. Teacher check

## FRIDAY REVIEW

1. 30 km
2. 650
3.  $7 + 7 + 7 + 7 = 28$
4. 30
5. 9
6. 3
7. 1000
8. x
9. 12
10. 130
11. 24
12. 10
13. 33
14. 67 green  
57 blue
15. 75
16. 
17. 20
18. 9.45
19. 6
20. 2

## WEEK 15 – pages 44–47

## MONDAY

1. 
2. 10, 2, 4
3. 5
4. 1, 25
5. 910
- 6.


0–300	189
301–600	
601–900	800, 760
901–1200	1010
1201+	1248

7. 1055
8. 17
9. -

# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS


10. \$7
11. 6
12. 9
13. 16
14. 18
15. 3 green  
10 blue  
2 yellow

## TUESDAY

1. 5
2. 
3. 20, 3, 2
4. 810
5. 2
6. -
7. 12
8. 5, Teacher check
9. 4

10. 24
11. 5
12. 16
13. 14 green  
16 blue  
15 yellow
14. 7
15. 5

## WEDNESDAY

1. 
2. 3, 0, 3, 3
3. 410
4. 1 hundred, 2 tens, 5 ones
5. A cylinder  
C cone  
B cube
6. 90c
7. 10
8. 16
9. 8
10. 3
11. 26
12. 10
13. 3, 4 and 10, 11 and 17, 18 and 24, 25
14. 15
15. Friday 2, 9, 16, 23, 30  
Monday 5, 12, 19, 26

## THURSDAY

1. A3, E3  
F1, D7
2. 36
3. 350
4. 9.05, 9
5. 61
6. 190
7. 800
8. 9
9. 994
10.  $30 + 7 + 40 + 4 = 70 + 11 = 81$
11. 22
12. A and C
13. 100, 4
14. 12
15. 2, 15

## PROBLEM-SOLVING



Monday

1. 
2. 

Tuesday

1. 26
2. Sunday




Wednesday

1. 
2. 

Thursday

1. C
2. A



## FRIDAY REVIEW

1. 80
2. 10, 9, 0
3. 1073
4. 30
5. 150
6. 16
7. 
8. 
9. 


10. 10
11. 134
12. 56
13. 17 green  
18 blue
14. 40
15. no
16. 10.05, 10
17. 7
18. 1, 82
19. Queensland
20. hexagon

## WEEK 16 – pages 47–49

### MONDAY

1. 
2. (a) 290  
(b) 2990
3. 9.05, 9
4.  $20 + 7 + 30 + 6 = 50 + 13 = 63$
5. 
6. 40
7. 100
8. 1010
9. B
10. 1010
11. 8
12. 13
13. 80
14. 15
15. 24

### TUESDAY


1. 6.05, 6
2. 190
3. 

4. 1135
5. Teacher check
6. prism B  
pyramid A
7. 100
8. 1011
9. 160
10. 18
11. 6
12. 13
13. 6, 12
14. 30
15. Tuesday

## WEDNESDAY

1. (a) Teacher check  
(b) Teacher check
2. 60
3. 1208
4. 1100
5. 490
6. A
7. 13
8. 130
9. 3, 9
10. 5.05, 5
11. 70
12. 4
13. Teacher check
14. Teacher check
15. Teacher check

## THURSDAY

1. B
2. 
3. 10
4. 1, 35
5. 3
6. 1910
7. 1020
8. 5
9. 8.05
10. 82
11. (a) 390  
(b) 3990
12. A
13. 10
14. A
15.  $30 + 5 + 30 + 5 = 60 + 10 = 70$

## PROBLEM-SOLVING


- Monday
1. 4
  2. B
- Tuesday
1. B
  2. 7, 12  
8, 13
- Wednesday
1. 3
  2. 1500
- Thursday
1. 8, 9, 10, 11, 12, 13,  
14, 15, 16
  2. 11, 12

## FRIDAY REVIEW

1. 61
2. 80
3. 5
4. 543
5. 4
6. 27
7. 190
8. 1990
9. 110
10. 8
11. 80
12.  $7 + 7 + 7 = 21$
13. C
14. Pyramid B  
Prism A
15. 1, 39
16. Teacher check
17. Front row 3rd from right
18. Top right or top row 1st on right
19. 4
20. Stir fry/Roast

## WEEK 17 – pages 50–52

### MONDAY

1. 
2. 8
3. 490
4. 4.10, 4
5. (a) 7  
(b) 16
6. 120
7. 10
8. Pyramid
9. 70
10. 4
11. 10
12. 15
13. 10
14. (a) H4 (b) F2
15. (a) G3 (b) G3

### TUESDAY

1. 2, 2.10
2. 70
3. 5
4. 6
5. 7
6. 16
7. 3, 27
8. Rhombus
9. 6
10. 11
11. 60
12. 10
13. Azo
14. C4
15. E4


### WEDNESDAY

1. 
2. 20 740

3.  $56 \times 10 = 560$   
 $56 \times 5 = 280$   
 $56 \times 2 = 112$

4. 90
5. C
6. 8
7. B
8. 850
9. x
10. 1100
11. 2
12. 90
13. 8
14. 14
5. 90


## THURSDAY

1. 
2. 7.10
3. 7, 14
4. ÷
5. before
6. 2000
7. 18, 50, 32
8. 507
9. D
10. (a) 200  
(b) 2000
11. \$3.10
12. A
13. 375, 400
14. 30
15. 130

## PROBLEM-SOLVING

- Monday
1. 2.30
  2. 9 o'clock
- Tuesday
1. 11 km
  2. 26 km
- Wednesday
1. 3
  2. 1200, 1.2
- Thursday
1. 3 red blocks and 3 orange blocks
  2. 9

## FRIDAY REVIEW

1. 1050, 1250
2. 54
3. 12
4. 
5. 15
6. D
7. 891
8. 101
9. (80, 102)
10. -
11. ÷
12. 90
13. 9
14. (a) 3830  
(b) 1915  
(c) 766
15. 10

# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS

6. 10, 6
17. Moora
18. 4, 19
19. 1, 4
20. 1, 3

## WEEK 18 – pages 53–55

### MONDAY



- 1.
2. –
3.  $\$1.20 + \$1.20 + \$1.20 = \$3.60$
4. kite
5. 790
6. 108
7. 94
8. 2 in 8
9. 1070
10. cone B  
cylinder A  
cube C
11. 8
12. 1
13. 500 yellow  
600 green  
300 blue
14. 22
15. 16

### TUESDAY

1. 4.05
2. December
3. \$10
4. 15
5. 80
6. ÷
7. 1000, 1100, 1200
8. 50c
9. pentagon, octagon
10. B
11. 26
12. 14
13. 900 green  
400 yellow  
700 blue
14. 5
15. 3

### WEDNESDAY

1. December
2. 25
3.  $\square \frac{1}{4}$  turn
4. 230, 270
5. 145
6. 10
7. semicircle
8. ×
9. 

A	A	A	A	B
B	B	B	C	C
C	C	D	D	D
D	E	E	E	E
10. 3
11. 13
12. 100 green  
80 blue  
90 yellow

13. 12
14. 30
15. 10.05

### THURSDAY

1. 6
2. yes
- 3.
4. (a) 1358  
(b) 8531
5. 18
6. (a) 200  
(b) 125  
(c) 225  
(d) 200
7. x
8.  $\$2 - 13$   
 $\$1 - 1$   
 $50c - 1$
9. 130
10. 12.10
11. (a) 792  
(b) 7992
12.  $9 + 7 = 16$  or  
 $7 + 9 = 16$ ,  
 $16 - 7 = 9$  or  
 $16 - 9 = 7$
13. cone, cylinder
14. 111
15.  $(10 + 9) + (10 + 9)$   
 $= 20 + 18 = 38$

### PROBLEM-SOLVING

- Monday
1. A
  2. 4
- Tuesday
1.  $1\frac{1}{2}$
  2. 2 cups
- Wednesday
1. 80
  2. B, R, G
- Thursday
1. 7
  2. 2000

### FRIDAY REVIEW

1. 200 blue  
800 green
2. 0
3. no
4. ×
5. 1300
6. 106
7. (a) 60  
(b) 55
8. 15
9. 34
10. 1
11. 12
12. \$2
13. 7 km
14. 14 km
15. 21 km
16. 11.05
17. October
18. 12.00 pm

19. no
- 20.

## WEEK 19 – pages 56–58

### MONDAY

1.  $7 \times 100$
2. 11.10
3. 

0–100	86
101–200	171
201–300	289
301–400	371
401+	412
4. 12
5. 32
6. 

□	□	□
□	□	□
□	□	□
7.  $100 + 30$
8. 10 111
9. row
10. 1000
11. 28
12. 20
13. 80
14. 7
15. 55

### TUESDAY

1. 1.05
2. 4
3. 7, 14
4. 5, 5
5. 90
6. A
7. 400, 410
8. no
9. \$1.60, \$1.60
10. 6
11. 30
12. 6
13. 12
14. 6
15. 80

### WEDNESDAY

1. 4, 6, 4
2. 2, 6
3. 3
4. +
5. ÷
6. D
7. 12.10
8. 40
9. 20
10. 80
11. 76
12. 6
13. 4
14. Friday
15. Sunday

### THURSDAY

- 1.
2. 4, 4, 10, 18
3. <, =, >
4. 6.10
5. 40

6. 111
7. 106
8. 1300
9. C
10. 53
11. 1010
12. 850
13. (a) 6321  
(b) 6312
14. 8.00
15. 150

### PROBLEM-SOLVING

- Monday
1. 14
  2. 8
- Tuesday
1. 1
  2. 5 min
- Wednesday
1. Red, Blue, Green
  2. 21
- Thursday
1. 8
  2. \$5.50

### FRIDAY REVIEW

1. 170
2. 10 000
3. ÷
4. \$3.50, \$3.50, \$7
5. 711
6. 832, 1040, 1664
7. 5
8. 3 fish
9. 17
10. 5
11. 10
12. 10
13. 67
14. 60
15. 16
16. 4
17. 7.10
18. 7.30
19. December
20. 3 in 6 or  $\frac{1}{2}$

## WEEK 20 – pages 59–61

### MONDAY

1. red pentagon
2. 199
3. 2450
- 4.
5. 1 in 3
6. (a) 24  
(b) 3
7.  $27 \div 3 = 9$  or  
 $27 \div 9 = 3$
8. 1100
9. A
10. \$1, 80c, 25c  
Total \$2.05
11. 30
12. 52
13. 20

14. 36
15. 50

### TUESDAY

1. 10
2. 2 cakes
3.  $4 \times 7 = 28$
4. 400
5. 6
6. \$1.25
7. 1303
8. 60
9. 4
- 10.
11. 70
12. 80
13. 102
14. Teacher check
15. Teacher check

### WEDNESDAY

- 1.
- 2.
3. (a) 899  
(b) 8999
4. 18, 6, 2
5. 5 km
6. 140
7. 700
8. \$6.40
9. 60
- 10.
11. 134
12. 30
13. 88
14. 90
15. 50

### THURSDAY

1. 6, 12, 8
- 2.
3. 62
4. February
5. 800
6. 550
7. Teacher check
8. 1000
9. 9
10. B
11. no
12. 14, 5, 2
13. 80

14.	\$100 × 5	\$500
	\$50 × 2	\$100
	\$20 × 6	\$120
	\$10 × 11	\$110
	\$5 × 8	\$40
	Total	\$870

15. Blue, Red, Green

### PROBLEM-SOLVING

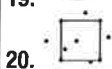
- Monday
1. 3.30
  2. 4 cm

# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS

- Tuesday
- 15 525
  - 42 221
- Wednesday
- 2
  - 6
- Thursday
- 4
  - 8

**FRIDAY REVIEW**

- 300
- 450
- 300
- 3
- 280
- 2
- 1997
- 1, 3, 2, 4
- 0
- 80
- 70
- 104
- \$3
- 2 circles



WEEK 21 – pages 62–64

**MONDAY**

- 180
- 50c
- 4, 4.05
- 100
- 100
- 80
- 
- 698, 700, 709, 710
- 10
- 1086, 1201, 1289, 4020, 6074
- 100
- 94
- 120
- 28
- 

**TUESDAY**

- 70
- 10
- no
- 10
- 73

- 28
- (a) 

2	3	0	7
9	0	7	8

  
(b) 

9	0	7	8
---	---	---	---
- 72
- 50
- 140
- 62
- 

- (a) 4  
(b) 3
- B, C, A
- (a) \$6000  
(b) \$2500

**WEDNESDAY**

1.	\$2	8	20c	1
	\$1	1	10c	1
	50c	1	5c	1

- A, C
- 10
- 140
- A, C, D
- 14
- 191
- 7, 7.20
- 37
- 85
- 75
- 170

- one in four
- 

- 50

**THURSDAY**

- B
- 100
- 9.05
- 1, 1.20
- 900
- 74
- 10
- am
- 50
- (a) 7 (b) 7
- (a) 6 (b) 6
- (a) C (b) B (c) A
- (a) 5 (b) 5
- 30
- Fly

**PROBLEM-SOLVING**

- Monday
- 25
  -
- Tuesday
- 20
  - |    |    |    |    |
|----|----|----|----|
| 2  | 5  | 2  | 6  |
| 50 | 10 | 72 | 12 |

- Wednesday
- 1, 9, 2, 8, 3, 7, 4, 6 = 45
  - 11, 19, 12, 18, 13, 17, 14, 16 = 135
- Thursday
- \$3
  - 25c

**FRIDAY REVIEW**

- 
- 1/2
- 1100
- 10
- 3
- 1354
- 11 000
- 21, 5
- 4 x 5 = 20 or 5 x 4 = 20  
20 ÷ 5 = 4 or 20 ÷ 4 = 5
- 91
- 90
- 150
- 

- 1, 1.20
- Irregular hexagon
- Teacher check
- Teacher check
- five past
- 70
- 40

WEEK 22 – pages 65–67

**MONDAY**

- 7
- 80
- 2, 2.20
- 25c
- \$25, \$25, \$50
- 450
- 90
- 4
- 190
- 250
- 15
- 2 1/2
- 4
- 10
- 10, 12, 14, 16, 18

**TUESDAY**

- 3, 3.20
- C
- 532
- 90
- 
- 3/4
- 3, 2, 4, 1
- 804, 2010, 4020

- 5 min
- 990
- 24
- 30
- 6
- 15
- 8

**WEDNESDAY**

- 15
- 
- 12
- 6, hexagon
- 210
- <, =, >
- 3 x 6 = 18 or 6 x 3 = 18, 18 ÷ 3 = 6 or 18 ÷ 6 = 3
- pm
- 10 1/2
- 18
- 45
- 17
- 11, 13, 15, 17, 19
- 46 km
- 33 km

**THURSDAY**

- 
- 120
- 2, 6, 4
- 4, 4.20
- 80
- 81
- C
- 5
- Teacher check
- x
- \$4
- 9 kg
- 490
- 3
- (a) 1150  
(b) 1150  
(c) 1150  
(d) 900

**PROBLEM-SOLVING**

- Monday
- 7899
  -
- Tuesday
- 4
  -
- Wednesday
- False
  - False
- Thursday
- 45
  -

**FRIDAY REVIEW**

- 1100
- 60
- 6, 5, 7
- 200
- 5 1/2
- x
- ÷
- \$3.80
- 90
- 23, 25, 27
- 24
- 30, 7
- 1/3
- 5, 5.20
- 
- 2, 3, 1
- 30 kg
- Irregular pentagon
- 1
- 294

WEEK 23 – pages 68–70

**MONDAY**

- 5
- C
- 36, 33
- 150
- 2
- 1
- Connor
- 7
- 8027
- 25
- 8
- 20
- 29
- 30
- 9, 9.20

**TUESDAY**

- 12, 12.20
- 13
- 30
- 6
- 2, 4, 1, 3
- C
- 41
- 1542
- 1/4 L
- 5
- 50
- 12
- 7 1/2
- \$2
- 4 in each jar

**WEDNESDAY**

- 4
- 31
- 6.30
- 95
- October
- 200
- 21

# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS

8. 2
9. 16
10. 90
11. 2
12. 50
13. 70
14. East
15. 100 m





## THURSDAY

1. B
2. 8.40
3. June
4. 490
5. 5.35
6. B
7. 5 cm
8. 94
9. 5109
10. 1100
11. 12, 14, 16
12. Teacher check
13. 3
14. 2
15. 10.20

## PROBLEM-SOLVING


- Monday
1. 2 L
  2. 45
- Tuesday
1. 200
  2. 250
- Wednesday
1. 35
  2. 11.15 am
- Thursday
- Teacher check

## FRIDAY REVIEW


1.  or 
2. 14, 0, 9
3. 113
4. 15, 18, 21
5. \$2.90
6. 16
7. 3
8. 71
9. 400
10. 75
11. 50
12. 28
13.  $10\frac{1}{2}$
14. \$50
15. 18
16. September
17.  irregular pentagon  
 irregular hexagon
18. 9 cm
19. Teacher check
20. 9

## WEEK 24 – pages 71–73


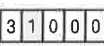
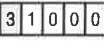
### MONDAY

1. saw
2. Luke
3. 6
4. 160
5. 20
6. \$12
7. 
8. 62
9. 8
10. February
11. 40
12. 49
13. 50
14. 75 blue  
45 yellow  
65 green
15. 150

### TUESDAY


1. 
2. Maths
3. 8088
4. 1000
5. 800
6.  $\frac{1}{2}$  turn
7. 25
8. 100
9. 47
10. 18
11. 200
12. 39
13. Teacher check
14. Teacher check
15. Teacher check

### WEDNESDAY

1. 
2. 365
3. Teacher check
4. 3, 4
5. (a)   
(b) 
6. 3046
7. 110
8. Teacher check
9. (a) H4  
(b) A3
10. 25
11. 97
12. 16
13. 250
14. 105
15. 3, 3 or  
9, 1

### THURSDAY

1. 5
2. 3
3. 100, 60
4. 17

5. (a) A (b) B
6. 30
7. 
8. 28, 7
9. true
10. 72
11. green
12. 180
13. 5
14. <, =, >



## PROBLEM-SOLVING

- Monday
1. 15 km
  2. 30 km
- Tuesday
1. 3
  2. 19
- Wednesday


1. Blue, Red, Green
  2. \$3
- Thursday

1. 200
2. 60

## FRIDAY REVIEW


1. 10
2. 60
3. 6110, 3055, 1222
4. 500
5. 18
6. 40, 4
7. 25
8. \$3.80
9. 180
10.  $\frac{2}{5}, \frac{3}{5}, \frac{4}{5}$
11. 300
12. 107
13. B

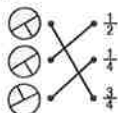
14. 
15. F1

16. 
17. Gardening book
18. equally
19.  $\frac{1}{4}$
20.  $\frac{3}{4}$




## WEEK 25 – pages 74–76

### MONDAY

1. Use a length of string then measure it with a ruler.
2. 4
3. 
4. 18, 3, 2
5. \$10
6. \$3.50
7. 35
8. 90

9. 7
10. 4
11. 450
12. 18
13. 117
14.  $\frac{3}{4}$
15. 

### TUESDAY

1. 9, 9.25
2. Teacher check
3. 3
4. \$4.75
5. 8
6. \$15
7. 69
8. 400
9. 14
10.  $\frac{1}{4}$
11. 450
12. 3
13. 
14. 
15. 

### WEDNESDAY

1. Teacher check
2. 120
3. 24
4. 6
5. 5
6. 850
7. 6
8. 2, 2.25
9. 94
10. 650
11. 27 blue  
21 green  
24 yellow
12. 2, 3, 9, 10, 16, 17, 23, 24
13. 4, 11, 18, 25  
6, 13, 20, 27
14. 5, 12, 19, 26  
7, 14, 21, 28
15. 30 May

### THURSDAY

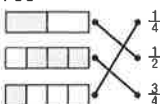
1. 285
2. Teacher check
3. 5, 5.25
4. 150
5. 90
6. \$24
7. \$8.90
8. 52
9. 160
10. 8
11. 8 am
12. 15
13. 35
14. 150 cm
15. 8




## PROBLEM-SOLVING

- Monday
1. 3 cm
  2. 55 500
- Tuesday
1. 10
  2. 760
- Wednesday
1. 400
  2. 80 km
- Thursday
1. Teacher check
  2. Teacher check

## FRIDAY REVIEW

1. 10
2. 160
3. 90
4. 395
5. 15
6. 10c
7. 1, 3, 4, 2
8. 40
9. \$10.10
10. 850
11.  $2\frac{1}{4}$
12. 114
13. 750




14. 

15. Teacher check
16. July
17. 12 pm
18. 
19. 
20. 

## WEEK 26 – pages 77–79

### MONDAY

1. B, A
2. \$27
3. 3, 3.25
4. 8078
5. 24
6. 60
7. 32 km
8. 104
9. 316
10. 4, 6 or 5, 5 or 1, 9 or  
2, 8 or 3, 7
11. A
12. 2, 3 or 1, 6

13. 
14. 
15. 

### TUESDAY

1. 1, 1.25
2. A and B


# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS

3. 1726
4. 45
5. B
6. \$20
7. 1100
8.  $1\frac{1}{2}$
9. 690
10. Answers will vary
11. 414
12. 2, 2 or 4, 1
13. 95
14. 4, 6 or 2, 8 or 1, 9 or 3, 7 or 5, 5
15. 4


### WEDNESDAY

1. B, A
2. (a) 170  
(b) 260  
(c) 2190
3. 10, 10, 25
4. 36
5. 4
6. \$12.85
7. \$27
8. 3
9. Teacher check
10. 20
11. 108
12. 2, 5 or 10, 1
13. 2
14. -
15. 6, 4 or 1, 9 or 2, 8 or 3, 7 or 5, 5

### THURSDAY

1. hexagon
2. 6, 6.25
3. 294
4. 350
5. 50, 75
6. 
7. \$1 = |||  
\$2 = |||| ||||
8. 40 L
9. 62
10. D
11. ÷
12. 7
13. 1200
14. A
15. C

### PROBLEM-SOLVING

- Monday
1.  $\frac{1}{4}$  turn anticlockwise 
  2. 8
- Tuesday
1. 9th
  2. 4
- Wednesday
1. Wednesday
  2. Monday
- Thursday
1. 
  2. Teacher check

### FRIDAY REVIEW

1. 80
2.  $4\frac{1}{2}$
3. 5
4. odd
5. 80
6. 76
7. 20c
8. 3
9. 10
10. 100
11. 3, 2 or 6, 1
12. 395
13. 420
14. even
15. B


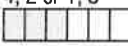
16. parallelogram
17. pentagon
18. 9 cm
19. 7, 7.25
20. \$1 = |||  
\$2 = |||| ||||

### WEEK 27 – pages 80–83

### MONDAY

1. 31
2. 3
3. 2000
4. 110
5. 9, 3
6. (a) odd  
(b) 80, 82  
(c) 83  
(d) 81
7. \$23
8. Alex
9. 60
10. \$6, 6, \$36
11. 100
12. 3, 6 or 8, 1 or 4, 5 or 7, 2
13. B
14. 11
15. Teacher check

### TUESDAY




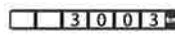


1. 11, 11.25
2. 110
3. 70
4. 6
5. 8
6. 
7. 31
8. Teacher check
9. 150
10. 4, 2 or 1, 8
11. 
12. 4, 11, 18, 25
13. 7, 14, 21, 28
14. 15
15. 26

### WEDNESDAY

1. 
2. 4

3. 130
4. 30 km
5. 80
6. 3
7. 90
8. 8, 8.25
9. \$2
10. 2, 3 or 4, 1 or 5, 0
11. 91
12. 79 green  
89 yellow  
99 blue
13. 200
14. 8
15. 4, 8


### THURSDAY



1. 
2. 9
3. 7
4. 25
5. 1100
6. 450 m
7. 4, 4.25
8. 6
9. 60
10. 
11. 
12. Teacher check
13. 
14. 
15. 

### PROBLEM-SOLVING

- Monday
1. Teacher check
  2. A
- Tuesday
1. B
  2. B
- Wednesday
1. 5
  2. 4
- Thursday
1. 8
  2. 36

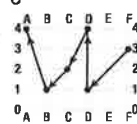


### FRIDAY REVIEW

1. 4, 6 or 1, 9 or 3, 7 or 2, 8 or 5, 5
2. 250
3. 18
4. 30
5. 55
6. \$4.20
7. +
8. ÷
9. ×
10. -
11. 21
12. 4
13. 



14. 
15. 2, 7
16. 3
17. 
18. 2, 6
19. yellow
20. red

### WEEK 28 – pages 83–85


### MONDAY


1. 8
2. 
3. 
4. hexagon  
pentagon
5. 100
6. 
7. 700, 702
8. 12
9. 1020
10. 101
11. 12
12.  $\frac{3}{4}$
13. 95
14. B
15. 6, 6 or 8, 4 or 10, 2 or 7, 5

### TUESDAY




1. 
2. 3
3. 110
4. 100
5. 12
6. \$33.50
7. 
8. (a) 1078, 1080  
(b) 9299, 9301
9. 6, 7, 13  
13, 6, 7 (or 13, 7, 6)
10. 120
11.  $2\frac{1}{2}$
12. 22
13. 3, 4 or 2, 6
14. 99
15. Teacher check

### WEDNESDAY

1. 6
2. 45
3.  $3\frac{1}{2}$
4. 
- 21

5. 67
6. 45
7. B
8. 92
9. 
10. 300
11. 5, 6 or 2, 9 or 3, 8 or 4, 7
12. 94
13. 4
14. Teacher check
15. Saturday

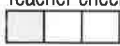

### THURSDAY

1. B, A
2. 70
3. 
4. 100
5. 18
6. 24
7. 4000
8. 900
9. 
10. (a) 14  
(b) 8  
(c) 12
11. 1400
12. 
13. 30
14. 210
15. 40c

### PROBLEM-SOLVING

- Monday
1. Mia, Ben
  2. 4
- Tuesday
1. 5
  2. Zac
- Wednesday
1. 2.00
  2. A
- Thursday
1. \$26.40
  2. 3

### FRIDAY REVIEW




1. 120
2. 2098, 2100
3. 8799, 8801
4. Teacher check
5. 
6. 96
7. 3, 3 or 1, 9
8.  $7\frac{1}{2}$
9. 3020
10. 62
11. 30
12. acute
13. kite and square
14. 

# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS


15. 6
16. 9
17. 739
18. 6
19. 34
20. 20

## WEEK 29 – pages 86–88



### MONDAY

1. 
2. 7
3. 1, 12.35
4. 90
5. 
6. 5
7.  $\square \frac{1}{4}$  turn
8. 10 000
9. 9 L
10. \$6
11. 2, 5 or 10, 1
12. 
13. 13
14. 30
15. 6, 7 or 5, 8 or 9, 4 or 10, 3

### TUESDAY


1. 5, 5.25
2. 5
3. 120
4. 5, 4.35
5. 3046
6. 5
7. 40
8. 3, 5
9. 1 in 8
10.  $\frac{6}{10}$
11. 
12. 43
13. 3 strawberries
14. 500
15. 108 blue  
105 yellow  
107 green

### WEDNESDAY

1. 8
2. 5, 4.35
3. 160
4. 5
5. 
6. 6000
7. 105
8. \$48.80
9. 4
10. A and C
11. 

12. 93
13. 5
14. 2, 7 or 14, 1
15. 1000


### THURSDAY

1. 18
2. 120
3. 
4. 5000
5. +
6. ×
7. 12 am
8. 2 cupcakes
9. Teacher check
10. 905
11. 6802
12. 42
13. C
14. \$2
15. \$25.95

### PROBLEM-SOLVING

- Monday
1. 12.30 pm
  2. 6.00
- Tuesday
1. \$15
  2. 6
- Wednesday
1. Ack, Zac
  2. 4
- Thursday
1. 3
  2. Stella, Libby

### FRIDAY REVIEW

1. 45
2. 43
3. 3, 6 or 2, 9
4. 50
5. 35
6. 7000
7. 4879
8. 2
9. 8, 3, 24
10. 700
11. 1000
12. 2029, 2031
13. 2998, 3000
14. 9, 8.35
15. 
16. 3 am
17. 8
18. cylinders
19. 702
20. 5

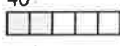

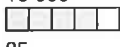
## WEEK 30 – pages 89–91

### MONDAY


1. 
2. 4

3. (a) 33  
(b) 393
4. 1000
5. 10 000
6. 3, 2 or 6, 1
7. 8
8. 26
9. 200 km
10. 73 km
11. 273
12. 28
13. 4
14. Thursday
15. 20


### TUESDAY



1. 8, 7, 6
2. 2, 1, 3
3. 3
4. 53
5. 38
6. (a) even  
(b) 11, 115, odd  
(c) 116  
(d) 84  
(e) 114
7. 40
8. 
9. 600
10. 
11. 23
12. 3, 4 or 2, 6
13. 10 000
14. 
15. 25

### WEDNESDAY



1. 
2. March
3. 45
4. 24
5. \$48
6. 110
7. 800
8. 215
9. 10 000
10. 4, 4 or 2, 8
11. 30
12. 50
13. Teacher check
14. 30 minutes
15. 12

### THURSDAY

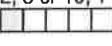
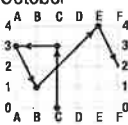
1. 
2. (a) 16  
(b) 160
3. June
4. 695
5.  $\frac{1}{2}$
6. 441
7. 75
8. Teacher check
9. 35, 5, 7

10. ×
11. +
12. 20
13. Teacher check
14. 
15. 

### PROBLEM-SOLVING

- Monday
1. A
  2. 9.30
- Tuesday
1. 
  2. 3.25 pm
- Wednesday
1. 
  2. 10, 15  
18
- Thursday
1. 14
  2. 6

### FRIDAY REVIEW

1. 396
2. 12, 93
3. 129, 3
4. 600
5. +
6. ×
7. 43
8. 30
9. 30
10. 80
11. 27, 3
12. 203
13. 2, 5 or 10, 1
14. 
15. August
16. October
17. 
18. 2, 3, 1
19. impossible
20. ✓, ✗, ✓

## WEEK 31 – pages 92–94

### MONDAY


1. hexagon
2. 60
3. 2, 1.35
4. 41, 37, 45, 73
5. 18
6. 1010, 1011, 1013  
1019, 1022, 1024
7. 200
8. 20 002
9. 18
10. 5, 3
11. \$7.35
12. 3
13. 30 September




14. Friday
15. 4

### TUESDAY


1. 7 hours
2. 4, 3.35
3. 95
4. 450
5. 9090
6.  $\square \frac{1}{4}$  turn
7. obtuse
8. 26
9. 10 700
10. 3, 6 or 2, 9
11. 4
12. \$8.30
13. 7
14. warm
15. 4

### WEDNESDAY

1. 
2. 4
3. 

\$100 × 5	\$500
\$50 × 4	\$200
\$20 × 6	\$120
\$10 × 10	\$100
Total	\$920
4. 33
5. 30 473
6. 8
7. \$4.85
8. 7, 6.35
9. 10, 4
10. Teacher check
11.  $\leftarrow \Rightarrow$
12. 
13. 
14. 60 km
15. 

### THURSDAY

1. 16
2. 12, 11.35
3. 3 cm
4. 
5. 35
6. 110
7. \$9.35
8. July
9. 12.30
10. 6101, 6070, 6039,  
5997, 5899
11. (a) 15  
(b) 340  
(c) 2900
12. (a) \$21  
(b) 15
13. 40
14. 10
15. Teacher check

# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS

## PROBLEM-SOLVING

- Monday  
1. 15 kg and 30 kg  
2. 3080
- Tuesday  
1. 5784  
2. 7
- Wednesday  
1. Teacher check  
2. Teacher check
- Thursday  
1. 24  
2. 24

## FRIDAY REVIEW

1. 3
2. 27, 30
3. 900
4. 115
5. 1100
6. \$8.60
7. 2 skateboards
8. 8, 9, 17 or 9, 8, 17  
17, 8, 9 or 17, 9, 8
9. 1180
10. (a) 5321  
(b) 5312
11. \$1.20, \$1.20, \$1.20  
\$3.60
12. 55
13. 3, 5
14. 6407
15. 24
16. 10, 9.35
17. pentagon  
hexagon
18. 60
19. 4
20. 24


## WEEK 32 – pages 95–97

### MONDAY



1. B
2. 5250
3. 52
4. 3, 7, 21  
21, 7, 3 (or 21, 3, 7)
5. 50 kg
6. 27
7. 36, 8, 14
8. C
9. 750
10. 700
11. 4, 5 or 2, 10
12. 92 000
13. 62
14. 8
15. C

### TUESDAY


1. 6, 12
2. am
3. \$52
4. (a) 75  
(b) 15

5. 1 in 6
  6. 8, 5
  7. 607
  8.
  9. 3500
  10. 25
- 
- 11.
  12. 3, 7
  13. 20
  14. 19th
  15. over 100

## WEDNESDAY

- 
- 1.
  2. 800
  3. 3125
  4. 30
  5. 23
  6. 
  7. \$3.30
  8. ×
  9. 600
  10. 39
  11. 3
  12. 3, 4 or 2, 6
  13. 53
  14.
  15.

## THURSDAY

1. A
2. 7
3. 500
4. 
5. 5009
6. A
7. 50
8. 5
9. Teacher check
10. 29, 6
11. Hexagon
12. 1000
13.  $\frac{1}{5}, \frac{1}{4}, \frac{1}{3}, \frac{1}{2}$
14. 21
15. \$50.90

## PROBLEM-SOLVING


- Monday
1. C
  2. B
- Tuesday
1. 1050
  2. 3250
- Wednesday
1. 50 mm
  2. 30 mm
- Thursday
1. 7 m<sup>2</sup>
  2. 8 m<sup>2</sup>

## FRIDAY REVIEW

1. 750
2. 4, 7, 28
3. 34, 5
4. 7500
5. \$40
6. 1000
7. 6
8. 33
9.
10. 3, 5
11. 87
12. 62
13. 4
14. prism
15. 5
16. 4 am
17. 4
18. False
19. Piano
20. Guitar

## WEEK 33 – pages 98–100

### MONDAY

1. 4
2. less
3. 4 circled
4. 
5. 295, 290
6. 150
7. 6, 5, 40
8. 10 000
9. 9, 3 or 10, 2 or 8, 4 or 7, 5 or 6, 6
10. 800
11. 5
12. 4
13. 55 km
14. 17, 25, 42
15. 13

### TUESDAY

1. 75 kg
2. 3, 2, 1, 4
3. 2332
4. 750
5. 12, 11, 40
6. 1100
7. B, A
8. 5, 7, 11
9. 906
10. 8 May
11. 6
12. 9
13. 10, 4 or 6, 8 or 5, 9 or 7, 7
14. 10 000
15. 9000

### WEDNESDAY

1. circle
2. 1771
3. Friday
4. \$39.50
5. Teacher check
6. 110 400
7. pyramid

8. 60
9. 290
10. 2000
11. 10 000
12. 3, 8 or 4, 6 or 2, 12
13. 0
14. 55
15. 11, 10, 40

## THURSDAY

- EVL**
1. 74
  2. right
  3. right
  4. \$1.50
  5. 65
  6. 4884
  7. \$5.50
  8. 3890, 3919, 4011, 4101
  9. 96
  10. Dino bus
  11. 175 mL
  12. 3800
  13. 111
  14. 121
  15. 1, 12, 40

## PROBLEM-SOLVING

### Monday

1. 9, 12  
12, 16
2. \$40

### Tuesday

1. 4
2.  $\frac{3}{4}$

### Wednesday

1. 40 km
2. 25 km

### Thursday

1. hexagon
2. octagon

## FRIDAY REVIEW

1. 450
2. 487
3. 70
4. 490
5. \$3.50
6. 17, 5, 19, 49
7. 1500
8. 231
9. 8 × 4
10. 10 000
11. 5000
12. 70
13. 7
14. \$1.50
15. 412
16. 11, 10, 40
17. B
18. true
19. Wal the Wombat
20. Hexonorts


## WEEK 34 – pages 101–103

### MONDAY

1. cube
2. 95

3. 105
4. Sage
5. 10 137
6. red 1  
yellow 4  
green 2  
blue 3
7. 4.30
8. 35
9. 120
10. 200
11. 20
12. 10
13. 32, 34, 36
14. 900
15. 20

## TUESDAY

1.
2. B
3.  $3\frac{1}{2}$
4. No
5. 1355
6. 17
7. 3 penguins circled
8. ×
9. 
10. 20
11. 30
12. 4
13. 9.25
14. 7
15. 37, 39, 41

## WEDNESDAY

1. 175 mL
2. ×
3. –
4. less
5. 6.10
6. 60
7. 57
8. A
9. 40
10. 10
11. 3, 7
12. 1500
13. 1990
14. 4
15. 19

## THURSDAY

1. D, A,  
C, B
2. \$14.50
3. 100
4. 99
5. parallel
6. 95
7. 24
8. 1000

9.

10. 1200
11. yes
12. 160
13. \$5, \$10, \$20, \$50,  
\$100



# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS

14. 28, 28  
15. 10.20

## PROBLEM-SOLVING

- Monday  
1. 21, 29, 22, 28, 23, 27,  
24, 26 = 225  
2. 56  
Tuesday  
1. Teacher check  
2. \$1.50  
Wednesday  
1.   
2.   
Thursday  
1. 300 km  
2. 450 km

## FRIDAY REVIEW

- 45
- 300
- less
- 505
- 35, 35
- 4500, 5000
- \$8.50
- 8247
- 2 birds circled
- 80
- 76
- \$15
- $\frac{3}{5}$
- 140
- 1.35
- 4
- Teacher check
- vertical
- 5 and 6
- false

## WEEK 35 – pages 104–106

### MONDAY

- 
- \$33.80
- 45
- 210
- 6347
- \$6.50
- 5, 4.35
- 90
- 87
- Ben
- 41
- 60
- \$2.35
- 6014
- 7 blue  
8 green  
9 yellow

### TUESDAY

- hexagon
- 1500
- 240
- 62

5.	12, 11.40
6.	70
7.	A to South Perth 5.30 B to Como 5.45 C to Mt. Pleasant 6.00 D to Melville 6.15 E to Fremantle 6.30

- 900
- 36
- 
- 40
- 159
- 10
- 80
- 3, 4 or 2, 6

### WEDNESDAY

- A
- 4
- 90
- 9.10
- 2, 5
- 65
- 700
- 108
- 3, 3
- 110
- 35
- 30
- Fly
- Bob the baker
- 25

### THURSDAY

- 
- 117
- 4, 8
- 550
- 9
- 93
- 55
- 2, 1.40
- (a) Adelaide  
(b) Brisbane
- 6
- (a) 3301  
(b) 3310
- 7, 7
- 1300
- B
- 130

### PROBLEM-SOLVING

- Monday  
1.  $\frac{5}{10}$   
2. 0.3  
Tuesday  
1.  $\frac{1}{2}$   
2.  $\frac{1}{8}$   
Wednesday  
1. Teacher check  
2. 90  
Thursday  
1. 20 km  
2. 40 km

### FRIDAY REVIEW

- 3429
- 140
- 95
- 30
- 5, 3
- 114, 5
- 150
- 147
- 8
- 8, 7.40
- cone
- Darwin
- 30 minutes
- 1, 15
- 30
- 2, 8
- 10
- dragonfly
- 25
- 50

## WEEK 36 – pages 107–109

### MONDAY

- 12
- 84
- 180
- 177
- 174
- 1920



- \$15
- 12
- 300
- 20
- 3, 5
- 60
- 345
- 3.30

### TUESDAY

- 6
- 
- 20
- 6.22, 6.41, 7.03
- 400
- 800
- 350
- 150
- 806
- 170
- 292
- 299
- 3, 7
- 27
- \$1.50

### WEDNESDAY

- 35
- acute
- 50
- B
- Teacher check
- 820

- 5, 5
- \$4
- 48
- 100
- 80 709
- 196
- 18
- 1st November
- 16

### THURSDAY

- 
- $5\frac{1}{2}$
- cm
- 
- 1
- 47
- 3769
- 8, 8
- cone and cylinder
- 5799
- 91
- 300
- 500
- 7
- 30 days

### PROBLEM-SOLVING

- Monday  
1.
- Tuesday  
1. 4  
2. 16
- Wednesday  
1. 4, 8  
2. 3, 8
- Thursday  
1. Edi the emu  
2. 25 min

### FRIDAY REVIEW

- 70
- \$3
- 601
- 700
- 980
- 3, 3
- 80
- 78
- 4
- 700
- 40 000
- 8900
- 
- 
- 5
- pyramid, cube/prism
- 16
- obtuse
- 59
- 6

## WEEK 37 – pages 110–112

### MONDAY

- 30
- 4.5
- B
- 200
- 196
- 
- C
- October
- 1
- 9
- 194
- 4, 6 or 3, 8 or 2, 12
- 550
- 10
- 

### TUESDAY

- 
- 1000
- A  $\frac{1}{2}$  B  $\frac{7}{8}$   
C  $\frac{3}{8}$  D  $\frac{2}{8}$
- 2000, 400  
40, 4



- 24
- \$3.90
- 20
- 150
- 4, 5
- 9
- 193
- 7, 8 or 6, 9 or 10, 5
- 6, 13, 20, 27
- 7
- 7

### WEDNESDAY

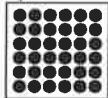
- TUE
- 7, 8, 56 or  
8, 7, 56,  
56, 7, 8 or  
56, 8, 7
- 1950
- 6
- 
- 1
- 200
- 205
- \$29
- 45
- \$2.50
- 992
- 80
- 75
- 474

### THURSDAY

- 12 km
- 150
- 4, 4
- B

# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS

5. —
6. 490
7. 25, 9, 34 or 9, 25, 34, 34, 9, 25 or 34, 25, 9
8. 180
9. 1400
10. 6
11. pyramid, cube/prism
12. 125
13.  $6, 90 \div 15 = 6$



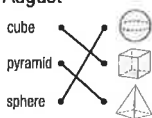
14. 36
15.  $\times$

### PROBLEM-SOLVING

- Monday
1. 36 km
  2. 35 km
- Tuesday
1. 15
  2. 5
- Wednesday
1. 11 hours
  2.  $\frac{1}{4}$
- Thursday
1. 2, 4
  2. 2, 4

### FRIDAY REVIEW

1. 790
2. 7990
3. 30 033
4. false
5. 210
6. 75
7. 293
8. \$64
9. 750
10. 245
11. 396 km
12. 350 km
13. 367
- 14.
15. 30 min
16. August



17. sphere
18. A
19. 1, 6
20. 0, 6

### WEEK 38 – pages 113–115

#### MONDAY

- 1.
2. 3.25
3. 177
4. 16
5. 6
6. 4
7. 1200

8.  $\times$
9. \$5.50, \$5.50, \$5.50, \$5.50, \$22
10. East
11. 900
12. 30
13. 30
14. 2800
15. 1011

#### TUESDAY

1. 35
2. 639
3. hexagon
- 4.

5. 20
6. 90
7. 6
8. \$30
9. 40
10. 800
11. 50
12. 10 000
13. 1800
- 14.
15.  $\frac{5}{8}$

#### WEDNESDAY

1. 1
2. —
3. 270
4. 20 000
5. 500
6.  $<$
7. 2400
8. 36
9. 19, 27, 45
10. left
11. Teacher check
12. 125 °C
13. 60
14. 50, 39, 11
15. 90

#### THURSDAY

1. A
2. 1100
3. 700
- 4.
5. 2202
6. \$50.80
7. 200
8. 50
9. 18
10. 10
11. 110
12. \$4
13. 100
14. (a) odd (b) even (c) even
15. A

### PROBLEM-SOLVING

- Monday
1. Black, Blue, Green, Red
  2. 8
- Tuesday
1. 40
  2. \$200
- Wednesday
1. A and C
- Thursday
1. =, >, <
  2. 473



### FRIDAY REVIEW

1. true
2. 2100
3. 3 faces coloured
4. 98 407
5. 4
6. 1100
7. 70
8. 300
9. 12 012
10. 40
11. 3600
12. 1000
13. 7990
14. 76, 62, 18
- 15.
16. \$10
17. 6, 5.50
18. B
19. November
- 20.

### WEEK 39 – pages 116–118

#### MONDAY

1. \$17.60
2. 30 137
3. 32
4. 4000
5. 650
6. 2.45, 3
7. May
8. 60
9. =
10. 5
11. 121
12. 173
- 13.
- 14.
- 15.

#### TUESDAY

1. 90
2. 9, 8.50
3. E, D, B
4. \$6.50, \$6.50, \$6.50, \$19.50
5. 35
6. 108
7. 8

8. A, C and D
9. 3
10. (a) 9831 (b) 1398
11. 5
12. 3000
13. 550
14. 100
15. =

#### WEDNESDAY

1. C
2. 70
3. 12, 11.55
4. 1500
5. 300
6. 901
7. C
8. 8000
9. =
10. 88, 90, 92, 94
11. 850
12. 90
13. Teacher check
14. Teacher check
15. Teacher check

#### THURSDAY

1. Teacher check
2.  $\div$
3. 150
4. Trapezium B Parallelogram C Kite A
5. (a) 9 (b) 18
6. 2100
7. 8
8. (a) 60 (b) 75
9. 1800
10. 100
11. 5
12. 100
13. Saturday
14. 8, 15
15. 11

### PROBLEM-SOLVING

- Monday
1. 1, 10
  2. 3, 10
- Tuesday
1. 40
  2. 4
- Wednesday
1. 48 035
  2. 51 592
- Thursday
1. 9 m<sup>2</sup>
  2. 5 m

### FRIDAY REVIEW

1. 9000
2. 950
3. 91
4. 9852
5. 25
6. 208
7. 90

8. 9
9. 4000
10. Teacher check
11. 90
12. 1820
- 13.
14. 6, 5.55
- 15.
16. rhombus E square B trapezium D parallelogram F rectangle A
17.  $\frac{3}{4}$  turn
18. Blue
19. 1, 8
20. red and green

### WEEK 40 – pages 119–121

#### MONDAY

- 1.
2. 4
3. 200
4. 150
5. 79
6. 100
7. D
8. 39, 5
9. \$3
10. 33
11.  $<$
12. 2, 76
13. 300
- 14.
15.  $\frac{2}{6}$  or  $\frac{1}{3}$

#### TUESDAY

- 1.
2. 150
3. 110
- 4.
5. 1214
6. 1400
7. prism, pyramid
8. D
9. 20
10. 8, 4
11.  $<$
12. 2000
13. 67 008
14. 2
15. 3

#### WEDNESDAY

- 1.
2. 10c
3. 4
4. Kobi
5. +
- 6.

# NEW WAVE MENTAL MATHS (BOOK C) – ANSWERS

7. 130
8. 400
9. \$5, \$5
10.  $\$1.50 + \$1.50 = \$3$   
 $\$1.50 + \$1.50 = \$3$   
 $\$1.50 + \$1.50 = \$3$   
 Total = \$9
11. 4500
12. 18
13. 4000
14. 9, 3
15. <

## THURSDAY

1. \$6
2.
3. 16 km
4. 140
5. 35
6. 800
7. 750
8. (a) 35 min  
(b) 25 min
9. 76 407
10. 92
11. September
12. 3, 2, 4, 5, 1
13. 8
14. 1

## PROBLEM-SOLVING

Monday

1. 42 288
2. 53 275

Tuesday

1. \$800
2. \$600

Wednesday

1.  $\frac{7}{10}$
2. 0.2

Thursday

1. 24
2. 18




## FRIDAY REVIEW

1. 158
2. 105
3. 24
4.  $3 \times 8 = 24$  or  
 $8 + 8 + 8 = 24$
5. \$13.70
6. 550
7. 4
8. 1350
9. odd
10. 400
11. 16
12.
13. 4, 1, 8, 5
14. 3, 83
15. 30 kg
16. King Island and Viewbank
17. Cottesloe and Viewbank
18. Top Ratz
19. BCH
20.  $\frac{5}{10}$





Week 1

Day 1	Day 2	Day 3	Day 4
1. 2	1. No	1. 3	1. 1
2. 1.1	2. 1.2	2. 1.3	2. 1.4
3. 0.1	3. 0.2	3. 0.3	3. 0.4
4. 0.9	4. 0.8	4. 0.7	4. 0.6
5. 10	5. 5	5. $10\frac{1}{3}$ or $3\frac{1}{3}$	5. $10\frac{1}{4}$ or $2\frac{1}{2}$
6. 10	6. 100	6. 75	6. 20c
7. \$1.20	7. \$11.10	7. \$75	7. \$8.00
8. 15	8. 15	8. 5	8. 12
9. 90° angle or right angle	9. parallel	9. points	9. 0
10. Teacher check. Examples include a 50c coin.	10. 12	10. 8	10. 8
11. 4	11. 12	11. cross-section	11. ellipse
12. compass or pair of compasses	12. protractor	12. $3\frac{1}{3}$	12. $\frac{4}{11}$
13. 450 mL	13. 1:2	13. 3	13. 3
14. $x - 4$	14. $\frac{8 + y}{4}$	14. 95	14. $y - 5$
15. 26	15. 12	15. Teacher check.	15. Teacher check: Any eight-sided shape
16. \$50	16. \$150	16. Teacher check; e.g. $25 \times 2, 10 \times 5$	16. 1
17. $4a + 12$	17. $3p(q - 2p)$	17. yearly/annual	17. same size and shape
18. 18	18. 364	18. 12	18. 690
19. 9	19. 25%	19. 15 000 m/hr	19. \$21.60
20. 1260	20. 1520	20. 5	20. 27

Week 2

Day 1	Day 2	Day 3	Day 4
1. 4	1. 16	1. 5	1. 25
2. 1.5	2. 1.6	2. 1.7	2. 1.8
3. 0.5	3. 0.4	3. 0.3	3. 0.2
4. 0.5	4. 0.6	4. 0.7	4. 0.8
5. $10\frac{1}{5}$ or 2	5. $10\frac{1}{6}$ or $1\frac{2}{3}$	5. $10\frac{1}{7}$ or $1\frac{3}{7}$	5. 1.25 or $1\frac{1}{4}$
6. \$2.20	6. \$12.20	6. \$2.20	6. \$3.20
7. 85	7. 89	7. 115	7. 1600
8. $\frac{1}{4}$	8. $\frac{1}{2}$ or $\frac{2}{4}$	8. trend	8. maximum
9. 14	9. 28	9. 7	9. 5
10. 5	10. Teacher check; e.g. a dice etc.	10. triangle	10. 20
11. Teacher check. Any six-sided shape	11. Teacher check; e.g.	11. Teacher check. 	11. Teacher check; e.g. 
12. False		12. $\frac{1}{100}$	12. 0.08
13. 64 seconds	12. False	13. 12 000 m	13. 12 500 m
14. $y - 6$	13. cubic metres	14. 108	14. Teacher check. Answer will be in cubic metres.
15. 3:4	14. $3p + 7$	15. Teacher check; e.g. water, milk	15. The capacity of a small box or container.
16. 1	15. 3:4	16. 1	16. 1
17. \$5	16. $\frac{1}{2}$	17. Teacher check. Answers will vary.	17. $\frac{2}{5}$
18. 1	17. 4, 8, 12, 16, 20	18. 3	18. $\leq 6$ ( $5\frac{5}{8}$ )
19. 140	18. similar	19. 11	19. 11
20. 8	19. 1580	20. 25	20. 12
	20. congruent		

## Week 3

Day 1	Day 2	Day 3	Day 4
1. 6 2. 1.9 3. 0.1 4. 0.9 5. $\frac{10}{9}$ or $1\frac{1}{9}$ 6. \$4.20 7. \$2400 8. 5 9. \$9 10. No 11. Teacher check; e.g. 	1. 36 2. 1.1 3. -0.9 4. 0.1 5. $\frac{1}{10}$ or 0.1 6. \$5.20 7. \$24 8. minimum 9. \$16.50 10. cone 11. Teacher check; e.g. 	1. 7 2. 0.3 3. 0.1 4. 0.02 5. 2 6. \$6.20 7. \$12 8. two 9. \$10.50 10. 10 11. Teacher check; e.g. 	1. 49 2. 0.4 3. 0 4. 0.04 5. 1 6. \$7.20 7. \$24 8. 320 kg 9. \$11.25 10. 8 11. Teacher check; e.g. 
12. \$2.75 13. 6 points 14. $w - 8$ 15. $\frac{1}{2}$ 16. $\frac{5}{26}$ 17. $\approx 2 (2\frac{1}{8})$ 18. 3 19. about \$30 20. \$24.50	12. \$3.30 13. 97.5 km 14. $2k + 9$ 15. 1 16. $\frac{21}{26}$ 17. $3\frac{1}{2}$ 18. 12 19. 30 20. 33c each	12. \$4.50 13. \$8 : \$6 14. $v - 9$ 15. 20 16. $1\frac{1}{8}$ or $1\frac{1}{4}$ 17. $\frac{4}{10}$ or $\frac{2}{5}$ 18. $\approx 5 (5\frac{2}{6})$ 19. 6 20. 15	12. \$3.75 13. \$24 : \$32 14. $2t + 3$ 15. 16 16. $\frac{1}{2}$ 17. $\frac{3}{5}$ or 60% 18. $\approx 5 (4\frac{4}{6})$ 19. Yes <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 20. 20

## Week 4

Day 1	Day 2	Day 3	Day 4
1. 8 2. 0.5 3. -0.1 4. 0.06 5. $\frac{2}{3}$ 6. \$8.20 7. \$6 8. \$17 500 9. \$32 10. 6 11. 2 12. Mica (in 15 seconds) 13. \$6 : \$15 14. $u - 10$ 15. quadrant 16. $\frac{6}{8}$ or $\frac{3}{4}$ 17. \$8.10/hr 18. 3 19. $120^\circ$ 20. 40	1. 64 2. 0.6 3. -0.2 4. 0.08 5. 0.5 or $\frac{1}{2}$ 6. \$9.20 7. \$3 8. \$40 000 9. \$23.40 10. 7 11. 9.6 12. 30 g 13. \$8 : \$12 14. $6g + 9$ 15. $\frac{1}{8}$ 16. $\frac{1}{3}$ 17. $\frac{1}{3}$ 18. 9 19. $45^\circ$ 20. 20	1. 9 2. 0.7 3. -0.3 4. 0.1 5. 0.4 or $\frac{2}{5}$ 6. \$4200 7. \$7 8. 91 (in Southern Hemisphere only) 9. 4 10. 6 11. 60 12. 55 kg 13. \$60 : \$40 14. $9 + c$ or $(c + 9)$ 15. 750 g 16. $\frac{2}{8}$ or $\frac{1}{4}$ 17. 20 km 18. $45^\circ$ 19. x 20. 7	1. 81 2. 0.8 3. -0.4 4. 0.12 5. 0.33 (2 decimal places) or $\frac{1}{3}$ 6. \$4900 7. \$25 8. 90 or 91 (in Southern Hemisphere only) 9. \$19.50 10. Yes 11. 100 12. 88 kg 13. \$200 14. $7f - 5$ 15. 7 16. $\frac{2}{8}$ or $\frac{1}{4}$ 17. 4 18. $45^\circ$ 19. 5 20. 5

Week 5

Day 1	Day 2	Day 3	Day 4
1. 10	1. 100	1. 11	1. 121
2. 0.9	2. 1	2. 1.1	2. 1.2
3. -0.5	3. -0.6	3. -0.7	3. -0.8
4. 0.14	4. 0.16	4. 0.18	4. 0.2
5. $\frac{2}{7}$	5. 0.25 or $\frac{1}{4}$	5. $\frac{2}{9}$	5. 0.2 or $\frac{1}{5}$
6. \$5600	6. \$6300	6. \$2000	6. \$3600
7. \$60	7. \$70	7. \$110	7. \$220
8. -2	8. 1	8. \$332.50	8. \$49.50
9. \$24.75	9. \$360	9. $\frac{1}{216}$	9. $\frac{1}{216}$
10. 5	10. 6	10. Teacher check; e.g. rugby ball	10. Teacher check; e.g. can or tin
11. 5	11. 2.8	11. 92 (Southern Hemisphere)	11. 92 (Southern Hemisphere)
12. 1510	12. \$62.50	12. \$65	12. \$66.50
13. 9	13. 12	13. 10 litres	13. 4 litres
14. $d + 8$	14. 56b	14. $e + 7$	14. $6y - 5$
15. 4	15. 5 cups	15. 6 hours, 15 minutes	15. 9 hours
16. $\frac{4}{8}$ or $\frac{1}{2}$	16. $\frac{6}{8}$ or $\frac{3}{4}$	16. $\frac{4}{8}$ or $\frac{1}{2}$	16. $\frac{5}{8}$
17. \$1.60	17. 12 cups	17. surface area	17. acute
18. 4 cups	18. 50c a litre or \$2 per packet	18. 180°	18. 90°
19. \$1.60	19. $\frac{1}{3}$	19. $\frac{4}{7}$	19. $\frac{1}{36}$
20. 90°	20. 180°	20. 70 000	20. 700 000

Week 6

Day 1	Day 2	Day 3	Day 4
1. 12	1. 144	1. 13	1. 169
2. 0.4	2. 0.5	2. 0.6	2. 0.7
3. 0.2	3. 0.1	3. 0	3. -0.1
4. 0.03	4. 0.06	4. 0.09	4. 0.12
5. 3	5. 1.5 or $1\frac{1}{2}$	5. 1	5. 0.75 or $\frac{3}{4}$
6. \$3000	6. \$2400	6. \$4800	6. \$5400
7. \$62.50	7. obtuse	7. \$240	7. \$300
8. $\frac{1}{6}$	8. $\frac{2}{36}$ or $\frac{1}{18}$	8. \$90	8. \$1170
9. \$35	9. \$76	9. 4	9. delta
10. ascending	10. 10	10. leagues/fathoms/kilometres	10. km/h or mph
11. compass	11. anemometer	11. 120 cm	11. 5
12. \$24	12. \$30	12. $g + 5$	12. $k - 6$
13. $f + 6$	13. $q - 4$	13. $\frac{1}{4}$	13. $\frac{5}{8}$
14. 6 hours, 35 minutes	14. 6 hours, 25 minutes	14. $\frac{3}{36}$ or $\frac{1}{12}$	14. $\frac{4}{36}$ or $\frac{1}{9}$
15. $\frac{1}{8}$	15. $\frac{5}{9}$	15. 108 hours	15. 210 seconds
16. 15	16. 2	16. triangle	16. milligram
17. 30 messages for \$5	17. 30 litres	17. descending	17. budget
18. $\frac{1}{6}$	18. $\frac{1}{5}$	18. 45°	18. 135°
19. 45°	19. 45°	19. \$68	19. \$65
20. 25	20. \$60.50	20. 32	20. 18

## Week 7

Day 1	Day 2	Day 3	Day 4
1. 15	1. 225	1. 20	1. 400
2. 0.8	2. 0.9	2. 1	2. 1.1
3. -0.2	3. -0.3	3. -0.4	3. -0.5
4. 0.15	4. 0.18	4. 0.21	4. 0.24
5. 0.6 or $\frac{3}{5}$	5. 0.5 or $\frac{1}{2}$	5. $\frac{3}{7}$	5. $\frac{3}{8}$
6. \$4200	6. \$5600	6. \$420	6. \$441
7. \$60	7. \$600	7. \$250	7. \$50
8. \$11	8. \$22	8. 50%	8. 90° (right angle)
9. \$56	9. \$560	9. \$56	9. \$560
10. vertex	10. end faces	10. two	10. oblong
11. 29 minutes	11. 180°	11. 360°	11. 360°
12. 18 staff members	12. 80	12. 15 staff members	12. 4 : 5
13. $b + 4$	13. $n - 9$	13. $i + 3$	13. $4abc$
14. 3.14	14. none	14. $\frac{1}{6}$	14. $\frac{1}{16}$
15. $\frac{1}{8}$	15. $\frac{3}{16}$	15. $\frac{1}{36}$	15. 12
16. $\frac{3}{38}$ or $\frac{1}{12}$	16. $\frac{5}{36}$	16. $\frac{1}{18}$	16. $\frac{1}{9}$
17. 168 hours	17. 84 days	17. 1000	17. 100
18. pi ( $\pi$ )	18. kilogram	18. 288 hours	18. 56 days
19. 180°	19. 180°	19. 135°	19. 135°
20. 38	20. 144	20. 4	20. 42

## Week 8

Day 1	Day 2	Day 3	Day 4
1. 30	1. 900	1. 40	1. 1600
2. 1.2	2. 1.3	2. 0.5	2. 0.6
3. -0.6	3. -0.7	3. 0.3	3. 0.2
4. 0.27	4. 0.3	4. 0.04	4. 0.08
5. $\frac{2}{3}$ or $\frac{1}{3}$	5. 0.3 or $\frac{3}{10}$	5. 4	5. 2
6. \$750	6. \$225	6. \$6	6. \$6
7. \$4.50	7. \$975	7. 120°	7. 120°
8. $2\frac{1}{3}$	8. $3\frac{1}{8}$	8. $4\frac{1}{4}$	8. $5\frac{3}{8}$
9. \$24	9. \$210	9. \$120	9. \$160
10. congruent	10. square	10. Answers will vary; e.g. a wheel.	10. sides
11. 13	11. 2	11. 5 cm	11. about 3142 cm <sup>2</sup>
12. \$200 000 (\$600 000 : \$800 000)	12. \$600 000 : \$800 000	12. Pythagoras's	12. Yes
13. $j + 2$	13. $\frac{ABC}{7}$	13. \$200 000	13. \$400 000 : \$600 000
14. $\frac{3}{8}$	14. $\frac{1}{8}$	14. $k + 1$	14. $z + 15$
15. zero	15. $\frac{1}{18}$	15. \$35	15. \$24
16. 28	16. 21	16. $\frac{3}{8}$	16. $\frac{1}{8}$
17. angle	17. a tonne	17. 18 months	17. 1800 seconds
18. 135°	18. 135°	18. 135°	18. 135°
19. kilometres or miles	19. negative	19. withdraw	19. deposit
20. 40	20. 40	20. 25	20. $\frac{1}{10}$

Week 9

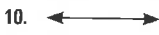
Day 1	Day 2	Day 3	Day 4
1. 50	1. 2500	1. 60	1. 3600
2. 0.7	2. 0.8	2. 0.9	2. 1
3. 0.1	3. 0	3. -0.1	3. -0.2
4. 0.12	4. 0.16	4. 0.20	4. 0.24
5. $1\frac{1}{3}$	5. 1	5. $\frac{4}{5}$	5. $\frac{2}{3}$ days
6. \$8	6. \$2 (50 cents given to charity)	6. 50 cents	6. 20 days
7. $6\frac{5}{8}$	7. $7\frac{3}{4}$	7. $8\frac{7}{8}$	7. $9\frac{2}{3}$
8. 1256 cm <sup>2</sup>	8. 5 cm	8. cubic metre	8. No
9. \$325	9. \$24	9. \$900	9. \$900
10. dodecagon	10. ray	10. approximate/estimate	10. does not equal
11. 100	11. 200	11. 210	11. 126
12. 1 : 2	12. 2 : 3	12. 3 : 1	12. 9 : 8
13. 3 l	13. 29 p	13. 4m	13. 5m
14. 2, 3, 4, 6, 9, 12, 18	14. 9	14. Yes	14. 10 000 metres
15. $\frac{3}{8}$	15. $1\frac{1}{4}$	15. $2\frac{1}{8}$	15. $4\frac{1}{16}$
16. 1200	16. 1461 days	16. 2880 minutes	16. 5760 minutes
17. the 10-year-old	17. \$140	17. 1 hr, 40 min.	17. 7.5 km
18. length $\times$ width $\times$ height = volume	18. 64	18. 32	18. 25%
19. convert	19. one centimetre	19. one millimetre	19. continuous
20. 9	20. 91	20. 8	20. 20

Week 10

Day 1	Day 2	Day 3	Day 4
1. 70	1. 4900	1. 80	1. 6400
2. 1.1	2. 1.2	2. 1.3	2. 1.4
3. -0.3	3. -0.4	3. -0.5	3. -0.6
4. 0.28	4. 0.32	4. 0.36	4. 0.4
5. $\frac{4}{7}$	5. $\frac{1}{2}$	5. $\frac{4}{9}$	5. $\frac{4}{10}$ or $\frac{2}{5}$
6. \$10	6. 40 laps	6. 30 laps	6. 16 laps
7. 37	7. Yes	7. \$1.50	7. \$1.50
8. \$900	8. \$90 000	8. Less than or equal to	8. British pound sterling
9. infinity	9. Greater than or equal to	9. \$1 : \$4	9. \$1 : \$5
10. \$1 : \$2	10. \$1 : \$3	10. 0	10. $r - 4 + 2y$
11. 5n	11. $b + 5$	11. \$9.60	11. 25
12. 12	12. 198 m <sup>2</sup>	12. $1\frac{1}{8}$	12. $4\frac{1}{8}$
13. $3\frac{1}{6}$	13. $5\frac{1}{3}$	13. 1	13. 100
14. $\frac{1}{5}$	14. $\frac{2}{5}$	14. 11.5	14. 1 500 000 cm <sup>3</sup>
15. 314 cm <sup>2</sup>	15. 157 cm <sup>2</sup>	15. 15 minutes	15. 600 seconds
16. 9 minutes	16. 150 minutes	16. 9 km	16. 9 km
17. 10 km	17. 15 km	17. vertical	17. The area of a circle
18. 32	18. 500 cm	18. 135	18. 1.6 litres
19. edge	19. reduced	19. enlarge	19. reduce
20. 64	20. 12	20. 5	20. 26



## Week 11

Day 1	Day 2	Day 3	Day 4
1. 90	1. 8100	1. 100	1. 10 000
2. 0.6	2. 0.7	2. 0.8	2. 0.9
3. 0.4	3. 0.3	3. 0.2	3. 0.1
4. 0.05	4. 0.1	4. 0.15	4. 0.2
5. 5	5. $2\frac{1}{2}$	5. $1\frac{2}{3}$	5. $1\frac{1}{4}$
6. 7 shirts	6. 6	6. 100	6. 100
7. 5	7. 24	7. 156	7. 336
8. $\frac{1}{2}$	8. 82%	8. 36	8. The circumference of a circle
9. \$90	9. \$110	9. \$250	9. \$250
10. 8	10. pi	10. micro or millionth	10. 
11. 2 : 3	11. 3 : 4	11. 16	11. 16
12. $\frac{p+2}{5}$	12. $\frac{x+1}{2}$	12. circle	12. equilateral triangle
13. 12.75	13. 16.5	13. 1 : 3	13. 1 : 4
14. $2\frac{1}{8}$	14. 1	14. $\frac{g+1}{2}$	14. $[x + \frac{1}{2}]^2$ or $[x - \frac{1}{2}]^2$
15. 75	15. 36	15. anticlockwise	15. horizontal
16. $1\frac{1}{10}$	16. 17.99	16. 1	16. $\frac{1}{2}$
17. 3.22	17. 2.13	17. 108	17. 32
18. 2 days	18. 3 days	18. 4 days	18. 5 days
19. reduce	19. cu. cm or cm <sup>3</sup>	19. 1 : 2	19. Twice as big
20. \$4	20. 201	20. 49	20. 56


## Week 12

Day 1	Day 2	Day 3	Day 4
1. 3	1. 27	1. 10	1. 1000
2. 1	2. 1.1	2. 1.2	2. 1.3
3. 0	3. -0.1	3. -0.2	3. -0.3
4. 0.25	4. 0.30	4. 0.35	4. 0.40
5. 1	5. $\frac{5}{6}$	5. $\frac{5}{7}$	5. $\frac{5}{8}$
6. \$1.75	6. \$9	6. Yes	6. Yes
7. 21	7. vertical	7. \$32	7. \$32
8. triangle	8. 70	8. 2	8. triangle
9. \$54	9. \$54	9. 5 : 2	9. 1 : 7
10. To the power of $n$	10. 8	10. 24	10. 40
11. 42 metres	11. 105	11. Matthew = 11 years old, April = 5 years old	11. 50 cents (\$1.50 each)
12. ten minutes past five (pm)	12. 0726	12. 1	12. $\frac{1}{64}$
13. 5 : 2	13. 5 : 2	13. 0	13. 3
14. $\sqrt{x^2} = x$	14. area	14. reflection	14. 2
15. 48	15. 27	15. 4	15. 2
16. 1	16. $\frac{1}{16}$	16. \$12	16. \$15
17. 6	17. 15	17. square	17. circle, rectangle or semicircle
18. 7	18. \$19	18. 45°	18. power
19. apex	19. spreadsheet	19. hyperbola	19. proportion
20. 42	20. 35	20. 28	20. 21


Week 13

Day 1	Day 2	Day 3	Day 4
1. 5	1. 125	1. 20	1. 8000
2. 1.4	2. 1.5	2. 0.7	2. 0.8
3. -0.4	3. -0.5	3. 0.5	3. 0.4
4. 0.45	4. 0.5	4. 0.6	4. 0.12
5. $\frac{9}{9}$	5. $\frac{9}{10}$ or $\frac{1}{2}$	5. 6	5. 3
6. Yes	6. Yes	6. Yes	6. Yes
7. Teacher check; e.g. swimming pool	7. area	7. \$8	7. \$8
8. \$80	8. \$80	8. 216	8. $\frac{1}{216}$
9. 0	9. factorial	9. \$21	9. \$21
10. 1 : 2 hours	10. 1 : 2	10. elliptical	10. 10
11. 120	11. 126	11. 300 min./18 sec.	11. 18 years old
12. distance $\div$ time	12. formula	12. Teacher check	12. knots
13. 1	13. 1	13. 1 : 20	13. 6 : 1
14. 8	14. 8	14. 12	14. 24
15. 1 : 1	15. 5 : 1	15. 1	15. 0.25
16. 9	16. 6.1	16. 4	16. 30
17. circle, hemisphere	17. circle, oval, hemispheroid	17. $(4 \times 3 \times 2 \times 1) = 24$	17. 120
18. 2	18. 2	18. triangle, rectangle	18. octagon, rectangle
19. oblique	19. investment	19. inflation	19. Answers will vary; e.g. home buyers, investors.
20. 14	20. 18	20. 15	20. 12

Week 14

Day 1	Day 2	Day 3	Day 4
1. 4	1. 16	1. 3	1. 81
2. 0.9	2. 1	2. 1.1	2. 1.2
3. 0.3	3. 0.2	3. 0.1	3. 0
4. 0.18	4. 0.24	4. 0.30	4. 0.36
5. 2	5. $1\frac{1}{2}$	5. $1\frac{1}{5}$	5. 1
6. Yes	6. Yes	6. \$7	6. \$9
7. \$4	7. 4	7. 740	7. 74
8. equivalent	8. scatterplot	8. 17 : 11	8. 11 : 8
9. \$300	9. \$300	9. \$1	9. \$33
10. 30 seconds	10. 3 books at \$17 each	10. 7.4	10. 7000
11. 4	11. 24	11. 5 : 1	11. 1 : 10
12. Teacher check. Answers will vary.	12. 1800	12. $42\frac{1}{4}$	12. $31\frac{1}{4}$
13. 3 : 1	13. 3:2	13. 3	13. $c = 5$
14. 3 : 1	14. 12	14. -1	14. $1 \times 2 \times 3 = 6$
15. square	15. 32 °C	15. (b) cube (It is 3-D)	15. (b) force
16. $32\frac{1}{4}$	16. $16\frac{1}{4}$	16. True	16. True
17. 8	17. 54	17. circle, rectangle	17. square, rectangle
18. circle, triangle	18. hexagon, rectangle	18. frequency	18. range
19. annulus (ring-shaped)	19. trend	19. Answers will vary; e.g. parabola, circle, ellipse, hyperbola.	19. Teacher check; e.g.
20. 21	20. 24	20. 27	
			20. 30

## Week 15

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> <li>10</li> <li>1.3</li> <li>-0.1</li> <li>0.42</li> <li><math>\frac{6}{7}</math></li> <li>\$1000</li> <li>30</li> <li>scale</li> <li>\$66</li> <li>the surface area of a cube</li> <li>counting</li> <li>volts</li> <li>1 : 10</li> <li>Answers will vary; Students should draw any seven-sided shape with seven angles.</li> <li><math>x = 2</math></li> <li><math>1 \times 2 \times 3 = 6</math></li> <li>(c) gram</li> <li>density</li> <li>cardinal, counting, consecutive</li> <li>8</li> </ol>	<ol style="list-style-type: none"> <li>10 000</li> <li>1.4</li> <li>-0.2</li> <li>0.48</li> <li><math>\frac{3}{4}</math></li> <li>\$100</li> <li>24</li> <li>27</li> <li>\$990</li> <li>perimeter of a square</li> <li>multiplication</li> <li>candela</li> <li>1 : 20</li> <li>Teacher check. Students should draw any nine-sided shape with nine angles.</li> <li><math>a = 8</math></li> <li><math>1 \times 2 \times 3 \times 4 \times 5 \times 6 = 720</math></li> <li>(c) summit</li> <li>pressure</li> <li>  </li> <li>18</li> </ol>	<ol style="list-style-type: none"> <li>5</li> <li>1.5</li> <li>-0.3</li> <li>0.54</li> <li><math>\frac{2}{3}</math></li> <li>100</li> <li>20 : 1</li> <li>the ratio/proportion</li> <li>\$10</li> <li>4 years</li> <li>100 : 1</li> <li>newtons</li> <li>1 : 10</li> <li>vinculum</li> <li>wind speed</li> <li>136</li> <li><math>p = -9</math></li> <li>(b) opponent</li> <li>32</li> <li>128</li> </ol>	<ol style="list-style-type: none"> <li>625</li> <li>1.6</li> <li>-0.4</li> <li>0.6</li> <li><math>\frac{2}{3}</math></li> <li>\$100</li> <li>41 : 1</li> <li>4 years</li> <li>10 cents</li> <li>6 years</li> <li>9 : 20</li> <li>mole</li> <li>1 : 5</li> <li>denominator</li> <li>earthquake strength/severity</li> <li>5</li> <li><math>a = -3</math></li> <li>(b) expenditure</li> <li>34</li> <li>72</li> </ol>

## Week 16

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> <li>10</li> <li>0.8</li> <li>0.6</li> <li>0.07</li> <li>7</li> <li>100</li> <li>10c</li> <li><math>\frac{2}{3}</math></li> <li>9</li> <li>joules</li> <li>2 : 5</li> <li>division</li> <li>10 : 1</li> <li>4</li> <li>6</li> <li>(c) surface</li> <li>1 : 8</li> <li>28</li> <li>capacity</li> <li>75</li> </ol>	<ol style="list-style-type: none"> <li>100 000</li> <li>0.9</li> <li>0.5</li> <li>0.14</li> <li><math>3\frac{1}{2}</math></li> <li>\$1.50</li> <li>1c</li> <li><math>\frac{1}{4}</math></li> <li>6</li> <li>watts</li> <li>1:2</li> <li>numerator</li> <li>10 : 1</li> <li>96</li> <li>7</li> <li>(c) area</li> <li>200 : 1</li> <li>486</li> <li>decreased</li> <li>48</li> </ol>	<ol style="list-style-type: none"> <li>a</li> <li>1</li> <li>0.4</li> <li>0.21</li> <li><math>2\frac{1}{3}</math></li> <li>50c</li> <li>\$6</li> <li>pascals</li> <li>3 : 4</li> <li>height</li> <li>Answers will vary but can include an archery target, onion rings etc.</li> <li><math>a = 7</math></li> <li>5 : 2</li> <li>(c) rhombus</li> <li>234</li> <li>55 cm</li> <li>cube</li> <li>234</li> <li>24</li> <li>36</li> </ol>	<ol style="list-style-type: none"> <li>625</li> <li>1.1</li> <li>0.3</li> <li>0.28</li> <li><math>1\frac{3}{4}</math></li> <li>40c</li> <li>\$20</li> <li>kg/m<sup>3</sup> or kilogram per cubic metre</li> <li>5 : 8</li> <li>height</li> <li>Answers will vary; e.g. train lines</li> <li><math>a = 3</math></li> <li>56</li> <li>(c) oval (it is 2-D)</li> <li>234</li> <li>65 km</li> <li>increased</li> <li>143</li> <li>1</li> <li>32</li> </ol>

**Week 17**

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> <li>1. <math>ab</math></li> <li>2. 1.2</li> <li>3. 0.2</li> <li>4. 0.35</li> <li>5. <math>\frac{7}{5}</math> or <math>1\frac{2}{5}</math></li> <li>6. \$4.30</li> <li>7. \$14.90</li> <li>8. \$163.90</li> <li>9. \$7.75</li> <li>10. estimate</li> <li>11. acceleration</li> <li>12. cubic</li> <li>13. 4 : 1</li> <li>14. length</li> <li>15. (a) circle</li> <li>16. 7</li> <li>17. 51</li> <li>18. diameter</li> <li>19. 9</li> <li>20. 50</li> </ol>	<ol style="list-style-type: none"> <li>1. 2</li> <li>2. 1.3</li> <li>3. 0.1</li> <li>4. 0.42</li> <li>5. <math>\frac{7}{6}</math> or <math>1\frac{1}{6}</math></li> <li>6. \$6.10</li> <li>7. \$29.90</li> <li>8. \$328.90</li> <li>9. \$17.25</li> <li>10. milligram</li> <li>11. Answers will vary; e.g. the universe</li> <li>12. square units; e.g. <math>\text{cm}^2</math></li> <li>13. 3 : 2</li> <li>14. energy/work</li> <li>15. (c) ellipse</li> <li>16. (a) debt</li> <li>17. 71</li> <li>18. cubic units; e.g. <math>\text{cm}^3</math></li> <li>19. 2</li> <li>20. 25</li> </ol>	<ol style="list-style-type: none"> <li>1. 1</li> <li>2. 1.4</li> <li>3. 0</li> <li>4. 0.49</li> <li>5. 1</li> <li>6. \$7.25</li> <li>7. ascending</li> <li>8. 25c</li> <li>9. prime</li> <li>10. congruent</li> <li>11. Answers will vary; e.g. metre, mm.</li> <li>12. 4 : 3</li> <li>13. kilojoule</li> <li>14. sphere</li> <li>15. <math>\infty</math></li> <li>16. No (It is special.)</li> <li>17. 17</li> <li>18. (c) sphere (No edges)</li> <li>19. 12</li> <li>20. 50</li> </ol>	<ol style="list-style-type: none"> <li>1. 1</li> <li>2. 1.5</li> <li>3. -0.1</li> <li>4. 0.56</li> <li>5. <math>\frac{7}{8}</math></li> <li>6. \$5.70</li> <li>7. descending</li> <li>8. \$3500</li> <li>9. composite</li> <li>10. 168</li> <li>11. one</li> <li>12. 3 : 1</li> <li>13. kilolitre</li> <li>14. product</li> <li>15. <math>\approx</math></li> <li>16. Yes, 2. (It is the only even prime number.)</li> <li>17. 18</li> <li>18. (c) an ice-cream cone. (An ice-cream cone forms a vertex.)</li> <li>19. 10</li> <li>20. 64</li> </ol>

**Week 18**

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> <li>1. 4</li> <li>2. 1.6</li> <li>3. -0.2</li> <li>4. 0.63</li> <li>5. <math>\frac{7}{9}</math></li> <li>6. \$2.80</li> <li>7. \$1750</li> <li>8. Two (length and width)</li> <li>9. 5 : 7</li> <li>10. k</li> <li>11. 2, 3, 5, 7</li> <li>12. \$240</li> <li>13. 1003</li> <li>14. (a) kite (The rest all have sides of equal length.)</li> <li>15. intersection</li> <li>16. edge</li> <li>17. sum</li> <li>18. 14</li> <li>19. 14</li> <li>20. 42</li> </ol>	<ol style="list-style-type: none"> <li>1. 1</li> <li>2. 1.7</li> <li>3. -0.3</li> <li>4. 0.7</li> <li>5. <math>\frac{7}{10}</math></li> <li>6. \$4.60</li> <li>7. \$875</li> <li>8. Three (length, width and depth)</li> <li>9. 2 : 3</li> <li>10. kilogram</li> <li>11. No</li> <li>12. 6 days</li> <li>13. 2120</li> <li>14. (c) circle (It is 2-D)</li> <li>15. regions</li> <li>16. size, shape</li> <li>17. difference</li> <li>18. 12</li> <li>19. 20</li> <li>20. 42</li> </ol>	<ol style="list-style-type: none"> <li>1. 9</li> <li>2. 0.9</li> <li>3. 0.7</li> <li>4. 0.08</li> <li>5. 8</li> <li>6. \$5.01</li> <li>7. \$6000</li> <li>8. concentric</li> <li>9. 1 : 4</li> <li>10. rectangle</li> <li>11. one-tenth</li> <li>12. isobars</li> <li>13. Yes</li> <li>14. (c) square (It is 2-D)</li> <li>15. 7200</li> <li>16. one after another</li> <li>17. principal</li> <li>18. 107</li> <li>19. 6</li> <li>20. 30</li> </ol>	<ol style="list-style-type: none"> <li>1. 1</li> <li>2. 1</li> <li>3. 0.6</li> <li>4. 0.16</li> <li>5. 4</li> <li>6. 2c</li> <li>7. \$600</li> <li>8. semicircle</li> <li>9. 1 : 3</li> <li>10. linear</li> <li>11. line</li> <li>12. 1000 years</li> <li>13. No</li> <li>14. (c) triangle (It is 2-D)</li> <li>15. 0.33</li> <li>16. identical</li> <li>17. degrees</li> <li>18. 11</li> <li>19. 7</li> <li>20. 56</li> </ol>

## Week 19

Day 1	Day 2	Day 3	Day 4
1. 4	1. 1	1. 5	1. 1
2. 1.1	2. 1.2	2. 1.3	2. 1.4
3. 0.5	3. 0.4	3. 0.3	3. 0.2
4. 0.24	4. 0.32	4. 0.40	4. 0.48
5. $\frac{4}{3}$ or $2\frac{2}{3}$	5. $\frac{4}{3}$ or $2\frac{2}{3}$ or $2\frac{1}{3}$	5. $1\frac{3}{5}$	5. $1\frac{1}{3}$
6. 5c	6. \$4.45	6. 95c	6. \$1.05
7. 2, 3, 4, 5	7. diameter	7. \$720	7. \$640
8. two	8. three	8. subtraction	8. Answers will vary, but need both a whole number and a fraction.
9. \$1000	9. \$2000	9. quadrant	9. circumference
10. 90	10. 81	10. 1 : 2	10. 1 : 2
11. 10 cm	11. 100 mL	11. 1, 2, 3, 4, 6, 12	11. 3, 6, 9, 12, 15
12. tangent	12. annulus	12. No	12. No
13. 1 : 2	13. 1 : 3	13. 10	13. 1000 years
14. (a) triangular prism (Tetrahedrons and octahedrons are only made of one type of shape, triangles.)	14. (c) sphere (No edges)	14. (c) Euler's	14. (b) Pythagoras's
15. No	15. No	15. $-4.5^\circ\text{C}$ , $-3^\circ\text{C}$ , $0^\circ\text{C}$ , $2.5^\circ\text{C}$ , $3^\circ\text{C}$	15. $-13^\circ\text{C}$ , $-7^\circ\text{C}$ , $-4.5^\circ\text{C}$ , $-2.5^\circ\text{C}$ , $0^\circ\text{C}$
16. 48	16. 7200	16. 180	16. 14
17. 1	17. two	17. three	17. none
18. 39	18. 20	18. 70 km/h	18. 1 km/h
19. 7	19. 7	19. 11	19. 12
20. 112	20. 17	20. 58	20. 17

## Week 20

Day 1	Day 2	Day 3	Day 4
1. 6	1. 1	1. 7	1. 1
2. 1.5	2. 1.6	2. 1.7	2. 1.8
3. 0.1	3. 0	3. $-0.1$	3. $-0.2$
4. 0.56	4. 0.64	4. 0.72	4. 0.8
5. $1\frac{1}{7}$	5. 1	5. $\frac{4}{9}$	5. $\frac{1}{5}$
6. \$2.02	6. \$6.42	6. \$5.62	6. \$4.08
7. \$250	7. \$750	7. 8, 13, 21	7. 12, 17, 23 or 13, 21, 34
8. radius	8. diameter	8. 40	8. 80
9. 1 : 6	9. 1 : 8	9. No	9. Yes
10. 0.0002	10. 1	10. 0.0003	10. infinity
11. No	11. Yes	11. Yes	11. Yes
12. \$14	12. \$14.25	12. diameter	12. $360^\circ$
13. volume	13. path	13. 1 : 7	13. 1 : 8
14. (c) Fibonacci's numbers	14. (a) googol	14. (a) equivalent	14. (a) debt
15. 49 302	15. 2.12	15. $180^\circ$	15. $180^\circ$
16. one	16. 6	16. 4	16. 4
17. (a) discrete	17. (a) continuous	17. 4	17. 6
18. 0.25	18. $0.\bar{3}$	18. concave	18. convex
19. 7	19. 4	19. 6	19. 8
20. 60	20. 50	20. 12	20. 1