



Marlborough Primary Academy

Home Learning
Class 5/6D

Week beginning
22/6/2020



5-a-day

- 1) TTRockstars - 30 minutes
- 2) Morning maths
- 3) Independent Reading - 30 minutes
- 4) Spelling - 20 minutes
- 5) P.E. - Joe Wicks workout

English



Reading Comprehension

Look carefully at the image
Read the questions and then
answer them in full sentences in
your English exercise book.

Maths

Two step equations

Watch the video - remember to pause and
try the calculations and problems when
you are asked to.

Then try the worksheet before you check
your answers

If you get stuck don't forget to send me or
Mr. Bright a dojo message.

[Video](#)

[Worksheets](#)

[Answers](#)

STEM/Creative

Try something new - ask the person who prepares
your meals to give you a fruit or vegetable you've
never tried before. Write down an accurate
description of what it tasted like. You might need a
few of these words: tangy, sweet, sour, sharp,
crunchy, soft, squidgy, chewy, smooth.

Morning maths – Monday 22/6/20

$$35279 \times 28$$

$$35279$$

$$\times 28$$

$\frac{3}{4}$ of a number is 66. What is the number?

Hint – find $\frac{1}{4}$ before finding the whole

What is 70% of 450?

$$3451 \div 4$$

1) as remainder

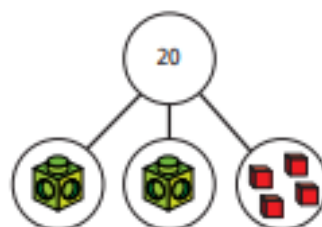
2) as decimal

3) as fraction


Hint – 70% is 7 x 10%

Solve two-step equations

- 1 Here is a part-whole model.

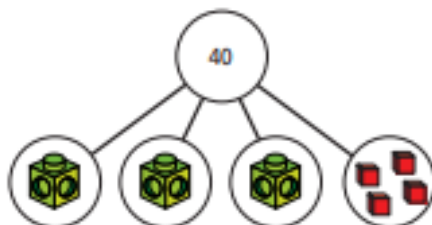


- a) Write an equation for the part-whole model.

- b) Solve the equation to work out the value of 

 =

- 2 If each multilink cube represents x , form and solve an equation to find the value x .



$x =$

- 3 There is the same number of counters under each cup.
There are 16 counters in total.



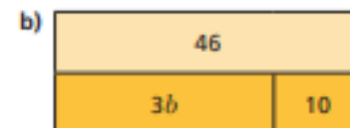
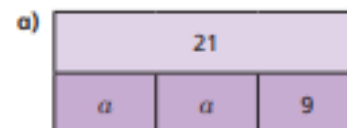
- a) Use y to represent the number of counters under each cup.
Write an equation in terms of y .

- b) Solve the equation to find the value of y .

$y =$

- c) How many counters are under each cup?

- 4 Write an algebraic equation to represent each bar model.
Find the values of a and b .



$a =$

$b =$



- 5 Solve the equations.

a) $5x + 1 = 31$

$x =$

b) $3x - 3 = 9$

$x =$

c) $4p - 11 = 3$

$p =$

d) $9 = 2y + 8$

$y =$

e) $10g - 2 = 46$

$g =$

f) $4 + 3y = 28$

$y =$

- 6 Dani thinks of a number.

She doubles it and adds 3

She gets the answer 15

- a) Write an equation to represent Dani's problem.

- b) Solve the equation to find her number.



- 7 Alex is y years old.

Her friend Brett is 3 years older.

The total of their ages is 25

How old are Alex and Brett?

Alex is

Brett is

- 8



- a) Work out the cost of one banana and one orange.

One banana costs

One orange costs

- b) Compare methods with a partner.





1. What does the flag represent? Why is it torn?

2. Who might be travelling in the boat? Why do you think this?

3. Where has the boat come from? Where is it going?

4. From the image, you cannot tell which part of the world the map is showing. Where do you think the map is of and what significance does it have on the meaning behind the image?

5. The image has a very strong message and mood within it. There are subtle hints to portray a mood to the reader.

a) What mood does the picture create?

b) How does the weather in the picture support this?

c) What weather would be used to create an opposing mood?

6. The boat symbolises refugees in Europe. How might the image be used to persuade people to help?

7. The sea in the image is calm. Why might you change this if you want to persuade your readers, and what effect may it have on them?

8. If the image was used to promote a political party, what might their message be to the voters?

9. Why is the boat in the centre of the image? Give two reasons.

10. What might you ask someone who is travelling in the boat?

11. The boat is made from paper and is sailing on the sea. What implicit meaning does this have?

12. Why has the illustrator chosen to use paper rather than wood or plastic for the boat?

13. What one word summarises your feelings about the image? Explain why you chose this word.

14. Think of another story of a dangerous journey. What message do these stories give?



5-a-day

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English

Vocabulary definition

Look carefully at the words and use a dictionary or the internet to find definitions - remember to tell me the word class of each word - noun, verb, adjective, adverb

Some of these words will be hard to explain!

Maths

Find pairs of numbers

Watch the video - remember to pause and try the calculations and problems when you are asked to.

Then try the workaheet before you check your answers

If you get stuck don't forget to send me or Mr. Bright a dojo message.

[Video](#)

[Worksheets](#)

[Answers](#)

STEM/Creative



Fantastic Faces: have a look at this picture of a face made from fruit and vegetables.

Try making your own face. You could draw different fruits and veg to make a face or actually make a face on a plate with real fruit and veg. Share your artwork on your portfolio.

Morning maths - Tuesday 23/6/20

$$4387 - 2749$$

$$983,897 + 852,583$$

+

Hint – set out using place value

My number's digits add to make 13.
My tens digit is even and greater than
my units digit. My number is less than
100, what could it be?

What is $\frac{6}{10}$ of 1450?

Hint – divide by the bottom – times by the top

Find pairs of values (2)

- 1 Class 6 are trying to solve a number puzzle.

$$\triangle + \triangle + \bigcirc = 10$$

a)



Dexter

The triangle could be 3 and the circle could be 4

Do you agree with Dexter? _____

Explain why.

b)

The triangle is worth 4



Dora

What is the value of the circle in Dora's number puzzle?

$$\bigcirc = \square$$

- c) Find other pairs of values that the triangle and circle could equal.

Find three pairs.

$$\triangle = \square \quad \bigcirc = \square$$

$$\triangle = \square \quad \bigcirc = \square$$

$$\triangle = \square \quad \bigcirc = \square$$

2

a and b are whole numbers.

$$2a + b = 14$$

Complete the table to show different possible values for a and b .

a	0	1	2	3	4	5	6	7
$2a$	0	2						
b	14							
$2a + b$	14	14	14	14				

3

c and d are both integers less than 15 but greater than zero.

$$3c - d = 2$$

Complete the table to show different possible values for c and d .

c	1	2	3	4	5
$3c$	3				
d	1				
$3c - d$	2	2	2		

- b) Explain why there are no other possible values for c and d .

- 4 x and y are both multiples of 5 less than 100
If $2x = y$, circle the possible values of x and y .

$$x = 20, y = 20$$

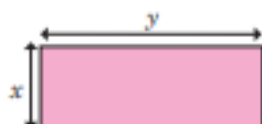
$$x = 10, y = 20$$

$$x = 20, y = 10$$

$$x = 35, y = 70$$

$$y = 90, x = 45$$

- 5 Here is a rectangle.
 x and y are both integers.



The rectangle has a perimeter of 28 cm.

- a) Write an equation to represent the perimeter of the rectangle.

- b) List all the possible pairs of values for x and y .

Compare answers with a partner. How do you know you have found all the possible values?



- 6 Aisha is buying some stationery for school.
She spends exactly £1
List the possible combinations of pencils and pens that Aisha could have bought.



- 7 Ron has four digit cards.
- Two of the cards have the same value.
 - All of the cards are less than 10 but greater than zero.
 - All of the cards are odd.
 - The sum of the four cards is 24

Find two possible sets of cards.

Set 1

--	--	--	--

Set 2

--	--	--	--

8

$$2ab = 48$$

- a) Find a pair of possible values for a and b .

$$a = \square$$

$$b = \square$$

- b) Work with a partner to find as many pairs of values as you can.



Write definitions of word meanings

Look through the vocabulary list of words which could be used to describe yesterday's English Picture - what do they mean? Use a dictionary (online word definition works too) to explain what they mean - make sure you use your own words not just copy. Also tell me the word class - verb, noun, adjective, adverb too

asylum		regional	
displacement		resettlement	
exile		remittance	
sanitation		xenophobia	
deterioration		trafficking	
humanitarian		persecution	

Choose your favourite 4 words and write a sentence for each one - try to also use the fronted adverbial, expanded noun phrases and powerful verb skills we learned last week



5-a-day

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- 4) Spelling - 20 minutes
- 5) P.E. - Joe Wicks workout

English

Grammar and vocabulary

Carefully read and answer the grammar and vocabulary questions.

Maths

Convert metric measures

Watch the video - remember to pause and try the calculations and problems when you are asked to.

Then try the worksheet before you check your answers

If you get stuck don't forget to send me or Mr. Bright a dojo message.

[Video](#)

[Worksheet](#)

[Answers](#)

Computing



Splatty Bug

Log-on to Purple Mash and try the Splatty Bug 2do.

If it's too tricky try the Princess and the frog from Chimp coding.

Morning maths – Wednesday 24/6/20

I think of a number, subtract 12. Then divide what I get by 4. My answer is 22.
What was my number?

$$36 \overline{) 2848}$$

- 36 – 1
- 72 – 2
- 108 – 3
- 144 – 4
- 180 – 5
- ... - 6
- ... - 7
- ... - 8
- ... - 9
- ... - 10

Hint – try to undo (reverse) the problem

My number is 56.2
What is my number $\div 100$?

$$75.2 - 59.12$$

Hint – use a place value grid

Hint – Set out using place value

Convert metric measures

- 1 How many centimetre cubes can you fit along a metre stick?



What does this tell you?

- 2 Complete the sentences.

a) There are grams in 1 kilogram.

There are kilograms in one tonne.

b) There are millilitres in 1 litre.

c) There are millimetres in 1 centimetre

There are centimetres in 1 metre.

There are metres in 1 kilometre.



- 3 Complete the bar models.

a)

1 km	1 km	1 km	1 km
1,000 m	1,000 m		

There are m in 4 km.

b)

1 kg	1 kg	1 kg	1 kg	1 kg	1 kg	$\frac{1}{2}$ kg
1,000 g	1,000 g	1,000 g				

There are g in $6\frac{1}{2}$ kg.

- 4 Complete the conversions.

a) 2 kg = g

5 kg = g

10 kg = g

12 kg = g

b) 1 l = ml

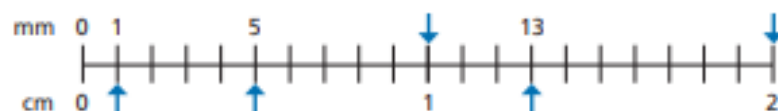
5 l = ml

11 l = ml

- 5 A bag of dog food weighs 2.5 kg.
Write this weight in grams.



- 6 What measurements are the arrows pointing to?
Label them on the number line.



- 7 Complete the conversions.

a) $10 \text{ mm} = \boxed{} \text{ cm}$ $\boxed{} \text{ mm} = 1.1 \text{ cm}$

$11 \text{ mm} = \boxed{} \text{ cm}$ $\boxed{} \text{ mm} = 10.1 \text{ cm}$

$\boxed{} \text{ mm} = 11 \text{ cm}$

b) $2.1 \text{ km} = \boxed{} \text{ m}$ $2.01 \text{ km} = \boxed{} \text{ m}$

$2.001 \text{ km} = \boxed{} \text{ m}$ $2.011 \text{ km} = \boxed{} \text{ m}$

- 8 Write $>$, $<$ or $=$ to complete the statements.

a) $100 \text{ m} \bigcirc 1 \text{ km}$ b) $5.1 \text{ l} \bigcirc 5,100 \text{ ml}$

$10 \text{ m} \bigcirc 10 \text{ cm}$ $607 \text{ l} \bigcirc 0.607 \text{ ml}$

$10.1 \text{ mm} \bigcirc 101 \text{ cm}$ $0.05 \text{ l} \bigcirc 5 \text{ ml}$

- 9 Dora and Amir are trying to convert 1.05 metres into millimetres.



Dora

You can multiply 1.05 by 100 to convert it into centimetres, then multiply the product by 10 to convert it into millimetres.



Amir

You can just multiply 1.05 by 1,000!

Who do you agree with? _____

Explain your thinking.

- 10 What is the mass of one of the boxes?
Give your answer in grams.



- 11 There are 1,000 kg in one tonne.

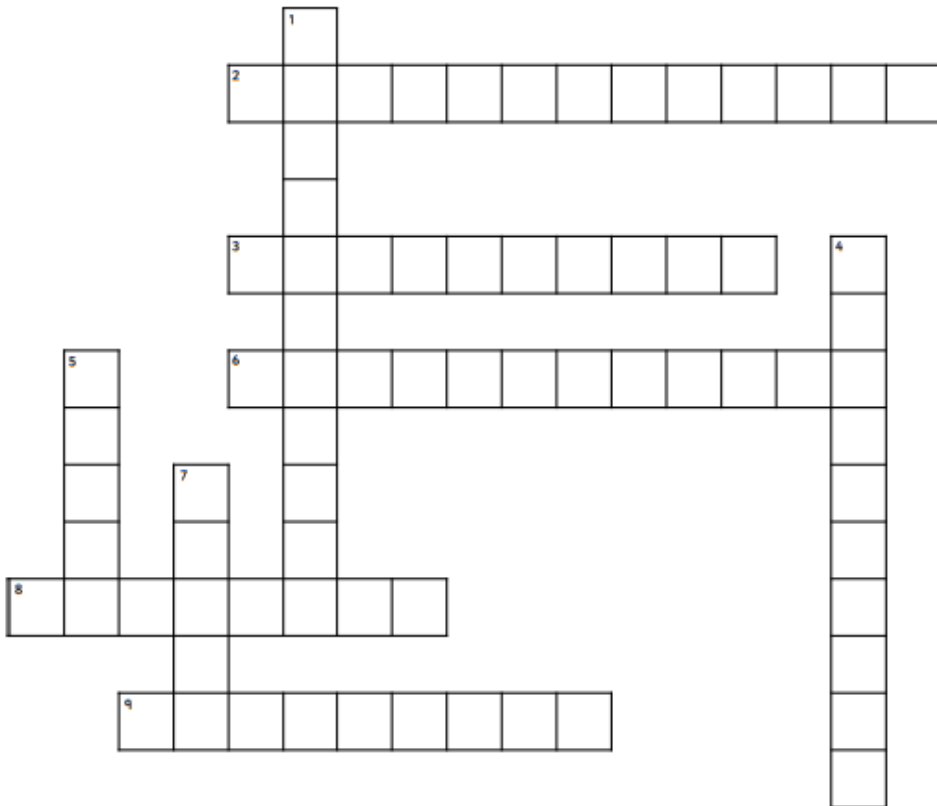
a) How many grams are there in one tonne?

b) A car weighs 1.3 tonnes.

Write the weight of the car in grams.

Use the clues in the table below to complete the crossword.

1. Hostility and ill-treatment because of race, political views or religion.	4. Conditions linked to public health such as sewage disposal and clean drinking water.	7. To be barred from your own country usually because of political views.
2. To become progressively worse.	5. To reduce (numbers of) or remove.	8. Concerned with one area or region.
3. Dislike and prejudice against those from other countries.	6. Concerned with human welfare. Compassionate and humane.	9. Extremely poor and lacking any means to provide for yourself.



Put a tick in each row to show the type of pronoun underlined in each sentence.

	personal pronoun	relative pronoun	possessive pronoun
The coats was <u>hers</u> , she was not leaving her home without it.			
Saleed was the one <u>who</u> suggested leaving home.			
She suggested to them that <u>they</u> get in the boat and leave for England.			
Rita was adamant. It was too dangerous for <u>them</u> to stay there any longer.			

Add a prefix or suffix to each word below to make the word that matches the meaning.

meaning	word
among many countries	<u> </u> national
having characteristics of a region	region <u> </u>
in a state of getting worse	deterior <u> </u>
to admit again	<u> </u> mittance
a person that seeks to promote the welfare of others	philanthrop <u> </u>

For each pair of words tick the one that has the correct spelling.

existence	<input type="checkbox"/>	seperate	<input type="checkbox"/>	existence	<input type="checkbox"/>	accommodation	<input type="checkbox"/>
existance	<input type="checkbox"/>	separate	<input type="checkbox"/>	existance	<input type="checkbox"/>	acomodation	<input type="checkbox"/>



5-a-day

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English

More DADWAVERS!

We have used DADWAVERS! in class as a way of making our writing more interesting.

I've started a story - which DADWAVERS! Sentence openers have I already used? Can you finish the story using the missing DADWAVERS!

Maths

Miles and kilometres

Watch the video - remember to pause and try the calculations and problems when you are asked to.

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If you get stuck don't forget to send me or Mr. Bright a dojo message.

[Video](#)

[Worksheet](#)

[Answers](#)

STEM/Creative

What are flowers for?

Plants need pollen from other plants of the same type to make new seeds.

Read the pollination poster to find out more. Now can you answer these questions.

1. Why are flowers colourful and smelly?
2. How does pollen get from one plant to another?

Morning maths – Thursday 18/6/20

$$7.82 \times 6$$

$$\begin{array}{r} 7.82 \\ \times 6 \\ \hline \\ \hline \\ \hline \end{array}$$

Find 40% of 12600.

Hint: 40% = 4 x 10%

$$87 - 8.7$$

What are the next 4 numbers in this sequence?

1020, 1012, 1004, __, __, __, __

Convert metric measures

- 1 How many centimetre cubes can you fit along a metre stick?



What does this tell you?

- 2 Complete the sentences.

a) There are grams in 1 kilogram.

There are kilograms in one tonne.

b) There are millilitres in 1 litre.

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There are centimetres in 1 metre.

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b)

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1,000 g	1,000 g	1,000 g				

There are g in $6\frac{1}{2}$ kg.

- 4 Complete the conversions.

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b) 1 l = ml

5 kg = g

5 l = ml

10 kg = g

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12 kg = g

- 5 A bag of dog food weighs 2.5 kg.
Write this weight in grams.



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Label them on the number line.



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 $\square \text{ mm} = 11 \text{ cm}$
- b) $2.1 \text{ km} = \square \text{ m}$ $2.01 \text{ km} = \square \text{ m}$
 $2.001 \text{ km} = \square \text{ m}$ $2.011 \text{ km} = \square \text{ m}$

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Dora

You can multiply 1.05 by 100 to convert it into centimetres, then multiply the product by 10 to convert it into millimetres.



Amir

You can just multiply 1.05 by 1,000!

Who do you agree with? _____
Explain your thinking.

- 10 What is the mass of one of the boxes?
Give your answer in grams.



- 11 There are 1,000 kg in one tonne.

- a) How many grams are there in one tonne?

- b) A car weighs 1.3 tonnes.

Write the weight of the car in grams.

DADWAVERS! are a great way to vary sentence openers and make writing more interesting and exciting.

DADWAVERS!

Description

Action

Dialogue

Where

Adverb

Verb

Estimation of time

Rhetorical Question

Simile or Metaphor

! Exclamation or onomatopoeia



Which DADWAVERS! Have I already used? Use the rest to finish.

For what felt like hours, she had balanced high above the throne room, waiting her chance to strike. Silently, she clung to the ancient stone work. Could she reach the evil tyrant's bed-chamber and end his cruel rein before she was discovered? Click! One of her climbing pins snapped and fell away into the darkened hall below her.

D

A

D

W

A

V

E

R

S

!

The Pollination Process

The flower's petals are brightly coloured and its fragrant scent attracts insects.

1

The insect, in this case a honeybee, arrives on the flower to collect nectar. This nectar is a sweet liquid, which makes perfect food for insects.

2

After the insect has finished feeding, it grows hungry again and moves to a new flower.

4

As the insect feeds on the nectar of the new flower, the pollen on its body rubs onto the stigma.

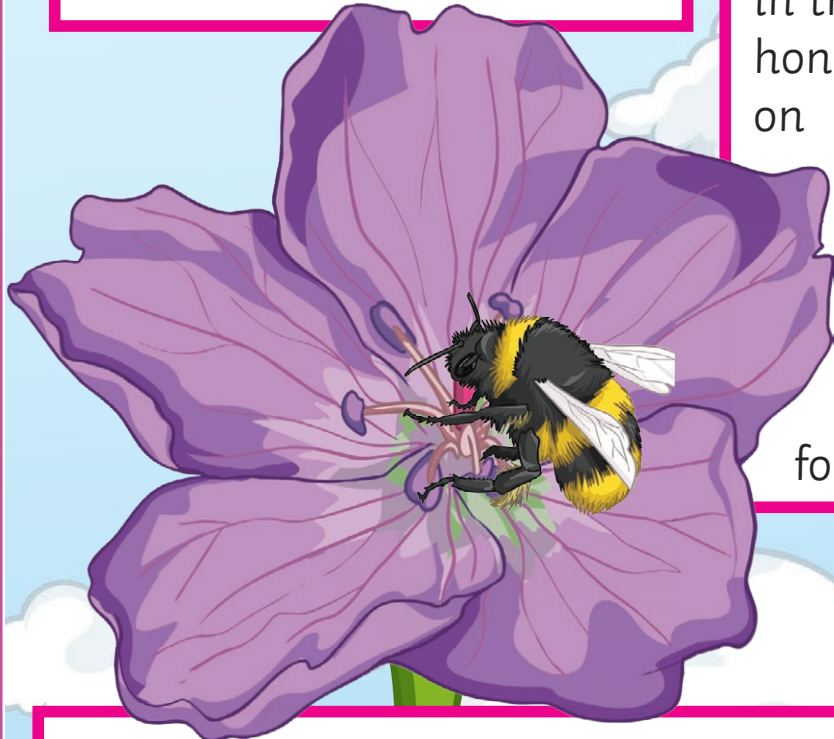
5

Some of this pollen then travels down the new flower's style and into the ovary.

6

As the insect gathers the nectar, it rubs against the flower's anthers, which pass pollen onto the body of the insect.

3





5-a-day

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English



Friday - big write
Use the picture as a stimulus to continue writing the story - into your exercise book or log on to Purple Mash and complete the Lighthouse2do

Maths

Friday's problem solving challenge

Friday's problems can be found on the BBC Bitesize website.

Scroll to the bottom of the weblink for the answers.

[Friday's Problems](#)

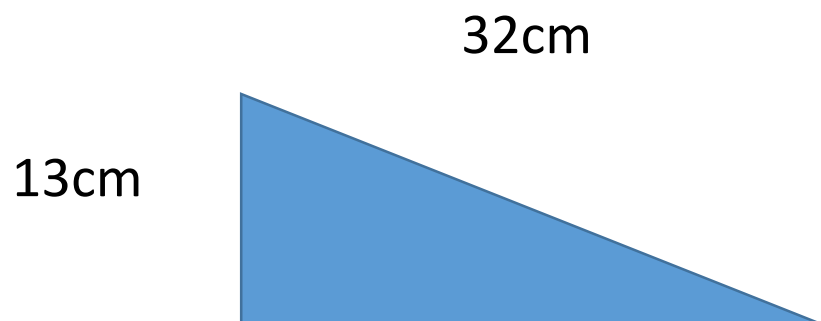
STEM/Creative

Have a look at the diagram showing the life cycle of a flowering plant.

Can you make your own diagram for a different type of flowering plant? If you're stuck for an idea, do an apple tree!

Morning maths – Friday 26/6/20

What is the area of this triangle?



Hint – area = (length x width) ÷ 2

What is $\frac{2}{7} \div 8$

$$\frac{2}{7} \div 8 = \underline{\hspace{2cm}}$$

Criss-cross (t x b = t b x t = b)
Can you simplify

What is $\frac{2}{3} \times 9$ – don't forget to simplify your answer.

$$\frac{2}{3} \times 9 = \underline{\hspace{2cm}}$$

Hint: whole number to fraction – t x t b x b

$$24 \overline{) 6672}$$

- 24 – 1
- 48 – 2
- 72 – 3
- 96 – 4
- 120 – 5
- ... – 6
- ... – 7
- ... – 8
- ... – 9
- ... – 10

Friday - big write - finish the story in your exercise book or use the Lighthouse2do



Story Starter

The storm had been raging for hours. Like a besieging army tormenting an enemy's ramparts, the waves battered on the lighthouse walls.

A group of men huddled in one of the cylindrical shaped rooms, flinching every time a wave rocked the lighthouse. Their hearts were in their mouths with every devastating blow: they half expected the walls to come tumbling down at any moment.

They turned their heads and listened to the sound of the storm. What they heard was truly terrifying...

How many DADWAVERS! can you use in your story? - Cross them off as you write.

D

A

D

W

A

V

E

R

S

!

Challenge 1
Rani has 38p

I have 10p more
than Rani.



I have 20p less
than Eva.

How much does Eva have?

Challenge 2

$$\triangle \times \triangle = 25$$

$$\bigcirc \times \bigcirc = 100$$

Work out the value of

$$\triangle \times \bigcirc$$

Challenge 3

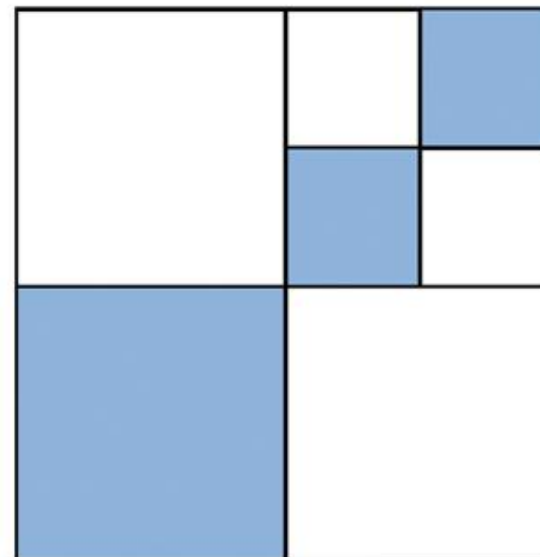
A sequence is made up of three 2-digit numbers.

The sequence increases by eight each time. These are the digits that make up the three numbers.

0 2 3 4 4 5

Work out the numbers in the sequence

Challenge 4



What fraction
of the square
is shaded?

Challenge 5

The mass of an empty jar is 470 g.



6 marbles are placed in the jar.



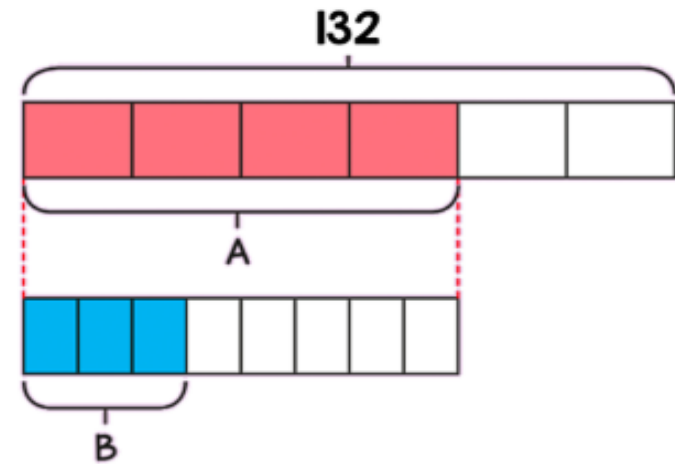
The total mass of the jar and marbles is now 1.1 kg.

Two of the marbles are removed.

What is the mass of the jar and marbles now?

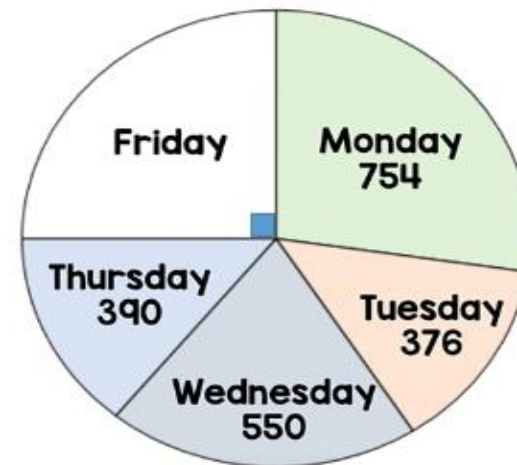
Challenge 6

Work out the value of B.



Challenge 7

The pie chart shows the number of visitors to a museum each day.



How many people visited on Friday?

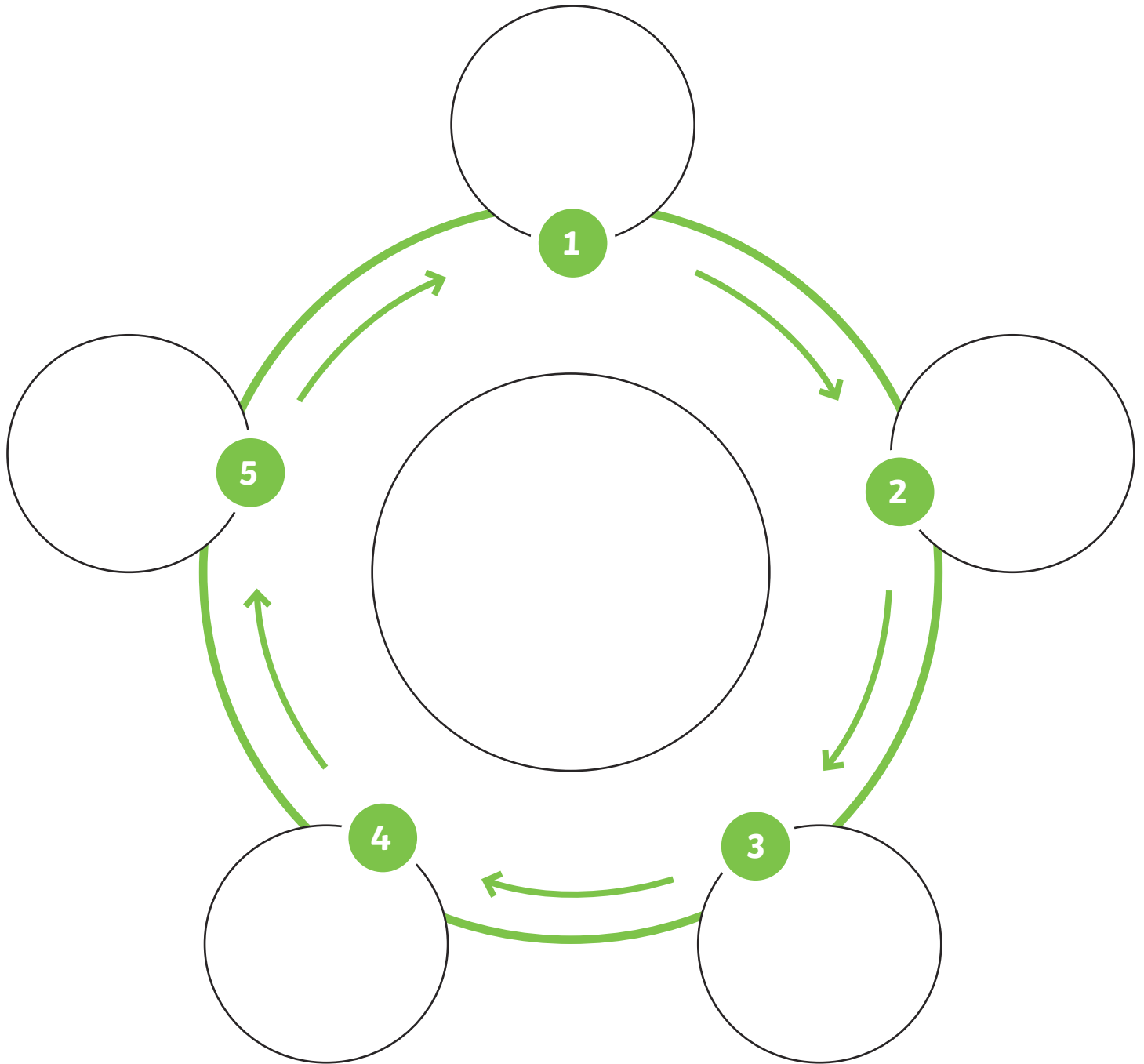
The Flowering Plant Life Cycle



Photo courtesy of Jim Champion, llee_wu, solylunafamilia, OakleyOriginals, Crispin Semmens, dinesh Valke (@flickr.com) - granted under creative commons licence - attribution

The Flowering Plant Life Cycle

Complete by drawing a picture and writing a title and explanation for each stage.



This week's web-links

Monday Maths Video	https://vimeo.com/428002477
Monday Maths worksheets	https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-1-Solve-two-step-equations-2019.pdf
Monday maths answers	https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-1-Answers-Solve-two-step-equations-2019.pdf
Tuesday Maths - video	https://vimeo.com/428002579
Tuesday Maths activity 1	https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-2-Find-pairs-of-values-2-2019-2.pdf
Tuesday Maths answers	https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-2-Answers-Find-pairs-of-values-2-2019-1.pdf
Wednesday Maths - video	https://vimeo.com/428002669
Wednesday maths – activities 1	https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-3-Convert-metric-measures-2019.pdf
Wednesday maths answers	https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-3-Answers-Convert-metric-measures-2019.pdf
Thursday maths – video	https://vimeo.com/428002822
Thursday maths worksheet 1	https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-4-Miles-and-kilometres-2019-2.pdf
Thursday maths answers	https://resources.whiterosemaths.com/wp-content/uploads/2020/06/Lesson-4-Answers-Miles-and-kilometres-2019.pdf
Friday Maths	https://www.bbc.co.uk/bitesize/articles/zkywr2p
Friday Worksheet	