Marlborough Primary Academy	Class 4/5B	Home Learning	Date 22/02/21

Daily activities – 5 a-day!
1) TTRockstars – 20 minutes
2) Morning maths – 15 minutes
3) Independent Reading – 30 minutes
4) Spelling – 20 minutes
5) P.E. – Joe Wicks workout

ENGLISH: Grammar

WALT: improve sentences using adverbials, conjunctions and adjectives.

1. Begin your sentence with a fronted adverbial.
2. Use modifying nouns and adjectives to create expanded noun phrases.
3. Add a subordinating conjunction to give extra detail.

The English zoom will be at 10:30
Find the details on class dojo.

MATHS

WALT: recognise fractions

Watch the video then have a go at the work in the booklet.

https://vimeo.com/498327271

There will be a class maths zoom at 9:30. Please watch the video and do your morning maths first.

Reading:

I have put an extract from this book into the pack. Enjoy reading it. Each day this week, complete the activities about the text.

This is morning maths

Solve these problems using written or mental methods.

If you get stuck send me a dojo message!

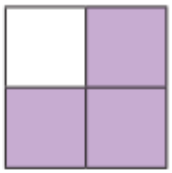
2410 + 3915	5 X 3 X 10	Round 25421 to the nearest 1000
425 - ? = 350	285 ÷ 3	Find ½ of 70

1 What fraction of each shape is shaded?

a)

b)

c)



d)

2 Shade each diagram to represent the fractions.

a)

$\frac{1}{6}$

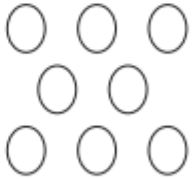
b)

$\frac{5}{6}$

c)

$\frac{5}{8}$

d)



$\frac{5}{8}$

3 Which are unit fractions?

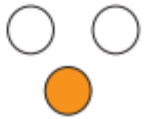
$\frac{1}{3}$ $\frac{1}{5}$ $\frac{3}{5}$ $\frac{1}{8}$ $\frac{2}{3}$ $\frac{10}{11}$

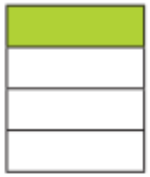
How do you know?

4 **a)** Which shapes have one third shaded?

A 

C 

E 

G 

B 

D 

F 

b) Complete the sentences to describe the shapes with one third shaded.

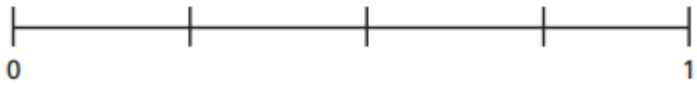
There are ☐ equal parts altogether.

☐ out of ☐ equal parts is shaded.

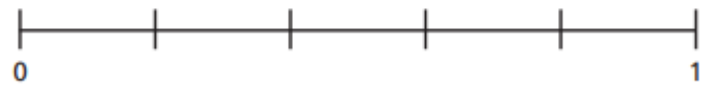
☐ of the shape is shaded.

5 Draw an arrow to show the position of the fraction on the number line.

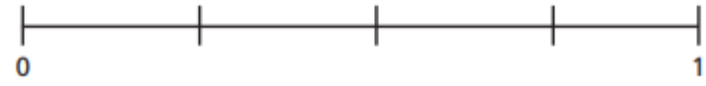
a) $\frac{1}{4}$



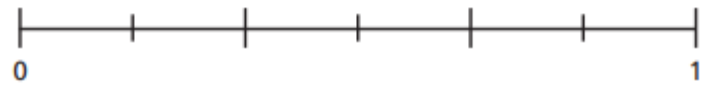
b) $\frac{3}{5}$



c) $\frac{1}{2}$



d) $\frac{1}{3}$

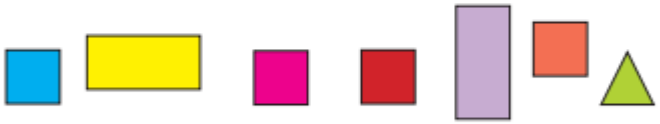


6 Draw an arrow to show the position of $\frac{5}{5}$ on the number line.

What do you notice?

7 Draw four different representations of $\frac{3}{4}$

8 Amir has drawn some 2D shapes.



a) What fraction of the shapes are triangles?

b) What fraction of the shapes are squares?

c) What fraction of the shapes have four sides?

d) Draw 2D shapes to match the description.

$\frac{1}{5}$ are squares, $\frac{2}{5}$ are triangles, $\frac{3}{5}$ have more than 3 sides.

Compare shapes with a partner.

What is the same about your shapes? Is anything different?

English: Improve sentences using adverbials, conjunctions and adjectives.

The house stood in the woods.

Its windows were boarded with wood.

The door began to open.

Reading: Chapter One- Salt Spray and Shadows

There were no curtains at the window and the room was bare, except for the sofa and Abi's rocking horse and Abi herself, hunched over her book like a diving bird on the edge of a pool, poised between worlds. The grey late afternoon was cold, but Abi didn't notice because in her book the sun was blazing hot, even in the shade of the big, creaking sail. Judging by the amount left to read, the journey was about halfway through.

Abi turned the pages slowly, not wanting it ever to end. She was crossing the Pacific Ocean on a raft made of logs, rush matting and rope. Out in the ocean, buffeted by the lively wind, everything was moving: the long waves, the glinting reflected light, and the giant, rolling balsa-wood logs. There were no clouds. The enormous sky fitted the enormous ocean like a great blue basin, turned upside down. The basin's rim was the immense circle of the horizon, sky blue against sea blue.

Every now and then Abi looked up, to absorb the perfect roundness of that horizon, squinting to see against the

brightness and salt wind. Everything was salty. Her lips tasted salty. Salt spray had twisted her already curly black hair into tight salty springs. They blew into her eyes and stung. She pushed them aside, hardly noticing, and read deeper and deeper.

Her name was Abigail, but only Granny Grace called her that. Everyone else called her Abi. Reading was Abi's escape. She read while other people cooked meals and loaded dishwashers and swept floors. She read while her father dragged into her life Polly as stepmother, plus two entirely unwanted brothers. She read through the actual wedding ceremony. She read while Granny Grace flew away, back to Jamaica, a trip postponed for ten years while she helped bring up Abi. She had read through the year that followed, squashed with three strangers into a too small house. Most recently she had read through the start of a new school.

But she had never read a book like this.

It was a hardback, with a faded blue cover. *The Kon-Tiki Expedition*, read the tarnished silver letters on the front. It was old-fashioned – she had skipped loads – but the bits she had read were entrancing. Lately, it had begun to have a sound to it, a soft echo when you opened the pages, like the ocean sound in a seashell.

Abi read: '*We were visited by whales many times. Most often they were small porpoises . . .*'

There was a parrot, bright green, always curious, never in the same place. It flew down towards her, swerved away at the last moment . . .

'Abi, Abi, *Abi*!'

Abi jumped so hard she would have fallen if she hadn't put out a hand to save herself. Her book did slip. She grabbed it just in time.

'Abi, I can't see you!'

'Here on the sofa,' said Abi, blinking, half dazzled by Pacific sunlight.

'There was . . . What was that green?'

'What green?'

But Louis had already forgotten. It had been no more than a wing tip, a fan-swirl of green parrot feathers; it had flickered into Louis' vision and left no imprint as it vanished.

Louis vanished too. Abi was alone in the quiet room again. It felt strange to be back, to look around and notice that the light in the room was autumn faded, and the wind had ceased to blow. She rubbed her eyes, and found them stinging, then cautiously tasted a tip of a finger.

Salt.

Marlborough Primary Academy	Class 4/5B	Home Learning	Date 23/02/21

Daily activities - 5 a-day!
1) TTRockstars - 20 minutes
2) Morning maths - 15 minutes
3) Independent Reading - 30 minutes
4) Spelling - 20 minutes
5) P.E. - Joe Wicks workout

Don't forget to share your work in your portfolio.

ENGLISH: Explanations

WALT: recognise the features of an explanation.

Read the explanation text and label the different features.

The English zoom will be at 10:30

Find the details on class dojo.

MATHS

WALT: understand equivalent fractions

Watch the video then have a go at the work in the booklet.

https://vimeo.com/498327458

There will be a class maths zoom at 9:30. Please watch the video and do your morning maths first.

Reading

Vocabulary

Find out what these words from the text mean.

absorb

tarnished

entrancing

Write a definition for each one in your book.

This is morning maths

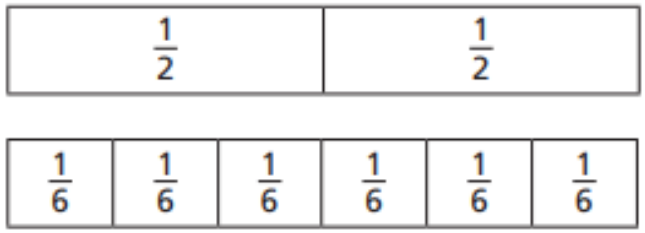
Solve these problems using written or mental methods.

If you get stuck send me a dojo message!

45 + ? = 42 + 112	15 x 36	Round 17,899 to the nearest 1000
1000 - 11	5120 ÷ 4	Find 1/10 of 230

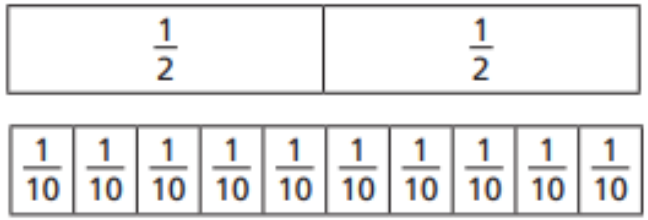
1 Shade the bar models to represent the equivalent fractions.

a)



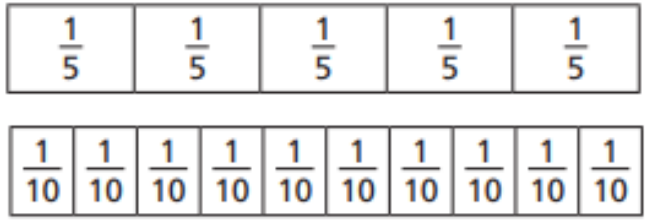
$\frac{1}{2} = \frac{3}{6}$

b)



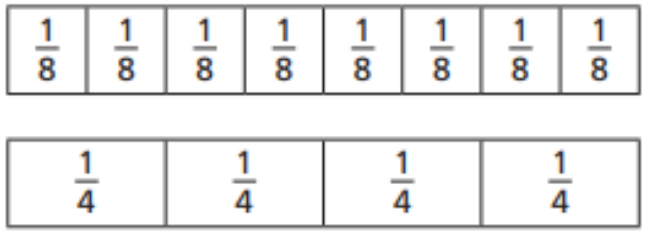
$\frac{1}{2} = \frac{5}{10}$

c)



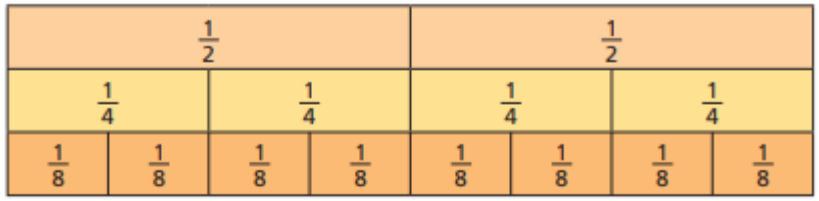
$\frac{4}{5} = \frac{8}{10}$

d)



$\frac{6}{8} = \frac{3}{4}$

2 Use the fraction wall to complete the equivalent fractions.



a) $\frac{1}{2} = \frac{\square}{4}$

b) $\frac{1}{2} = \frac{\square}{8}$

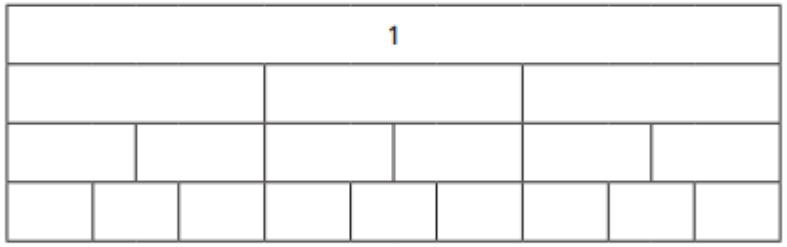
c) $\frac{2}{4} = \frac{4}{\square}$

d) $\frac{2}{8} = \frac{\square}{4}$

e) $\frac{\square}{8} = \frac{3}{4}$

f) $\frac{2}{2} = \frac{\square}{4} = \frac{\square}{8}$

3 **a)** Label the fractions on the fraction wall.



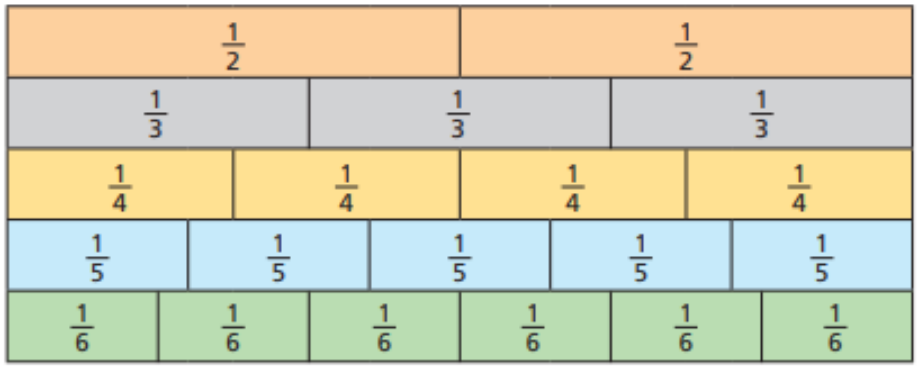
b) Use the fraction wall to complete the equivalent fractions.

$\frac{1}{3} = \frac{\square}{6} = \frac{3}{\square}$

$\frac{\square}{3} = \frac{4}{\square} = \frac{6}{9}$

$\frac{3}{\square} = \frac{6}{\square} = \frac{9}{\square} = 1$

4 Here is a fraction wall.



Is each statement true or false?

a) $\frac{1}{2}$ is equivalent to $\frac{3}{6}$

b) $\frac{2}{3}$ is equivalent to $\frac{3}{4}$

c) $\frac{2}{4}$ is equivalent to $\frac{3}{6}$

d) $\frac{2}{3}$ is equivalent to $\frac{4}{5}$

e) $\frac{2}{3}$ is equivalent to $\frac{4}{6}$

f) $\frac{3}{5}$ is equivalent to $\frac{4}{6}$

Write your own equivalent fractions statements.

Ask a partner to say if they are true or false.

5 Are the statements always, sometimes or never true?

Draw a diagram to support your answer.

a) The greater the numerator, the greater the fraction.

b) Fractions equivalent to one half have even numerators.

c) If a fraction is equivalent to one half, the denominator will be double the numerator.

English: Explanations

Look at this text about the water cycle. It is an explanation. Read it and try to label the different features. What makes this text a good explanation?

What are the features of an explanation

1. A question title
2. An introduction
3. A series of steps in order
4. Sequencing words
5. Steps are in the present tense
6. Technical vocabulary
7. A labelled diagram
8. Cause and effect conjunctions explain how different stages link together

English: Explanations

How Does the Water Cycle Work?

Have you ever looked up at a grey, murky sky and wondered where the clouds and rain come from? It's all part of the water cycle. Read on to find out how the immeasurable amount of water is constantly moving up, down, around and around.

Evaporation

When the heat from the sun warms any patch of water, the liquid turns into a vapour (gas) and this rises because it is lighter. The warmer the air, or if there is a draught or breeze, the quicker evaporation takes place. It even happens on puddles' surfaces. Try and watch the playground dry up next time there has been a shower.

Condensation

The water vapour is lifted into the sky. As you go higher, the air gets colder and cools down the gas. This causes the particles to condense (come together) and form microscopic droplets of water. Over time, millions of them gather like this and make clouds.

Precipitation

As soon as the water droplets reach a certain size, their weight is too great to stay in the air and they fall towards the ground. This is called precipitation. If the air is very cold, the water falls as ice or sleet. Otherwise, it falls as rain.

Collection

Wherever the water lands, this is the 'collection' stage of the water cycle. Rain and snow may return to Earth in rivers or lakes, on the ground, or on houses and roads, where it soaks down towards the rivers. Eventually, most of this water flows into the sea. The water cycle can now start again, from any place where water has collected even from your soaking wet hair!

Marlborough Primary Academy	Class 4/5B	Home Learning	Date 24/02/21

Daily activities - 5 a-day!
1) TTRockstars - 20 minutes
2) Morning maths - 15 minutes
3) Independent Reading - 30 minutes
4) Spelling - 20 minutes
5) P.E. - Joe Wicks workout

ENGLISH:

WALT: use a labelled diagram as part of an explanation.

The English zoom will be at 10:30
Find the details on class dojo.

MATHS

WALT: understand equivalent fractions
Watch the video then have a go at the work in the booklet.

https://vimeo.com/498327611

There will be a class maths zoom at 9:30.
Please watch the video and do your morning maths first.

Reading

Visualise

Can you imagine the scene in the book Abi is reading?

Find and copy three phrases that show what the scene is like.

This is morning maths

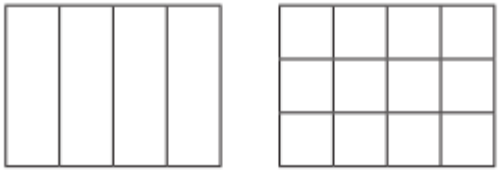
Solve these problems using written or mental methods.

If you get stuck send me a dojo message!

16,719 + 45,911	27 x 246	Round 8.73 to the nearest 1
6154 - 5815	8122 ÷ 2	Find ¼ of 256

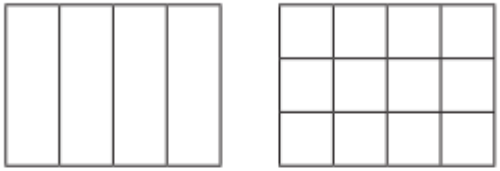
1 Shade the shapes to show the equivalent fractions.

a)



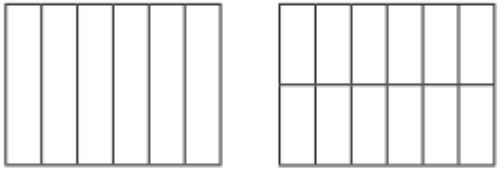
$\frac{1}{4} = \frac{\square}{12}$

b)



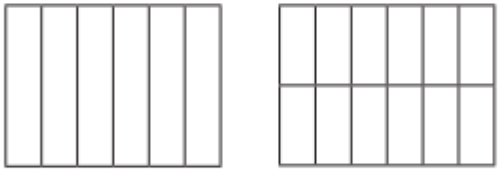
$\frac{3}{4} = \frac{\square}{12}$

c)



$\frac{1}{6} = \frac{\square}{\square}$

d)



$\frac{5}{6} = \frac{\square}{\square}$

2 Draw two rectangles to show that $\frac{1}{3} = \frac{4}{12}$

3 **a)** Sort the fractions into the groups.

Equivalent to $\frac{1}{4}$	Equivalent to $\frac{1}{3}$

$\frac{5}{15}$ $\frac{2}{6}$ $\frac{3}{12}$ $\frac{6}{24}$ $\frac{8}{24}$ $\frac{5}{20}$ $\frac{4}{12}$ $\frac{2}{8}$

b) Write one more fraction in each group.

4 Complete the equivalent fractions.

a) $\frac{1}{7} = \frac{\square}{14}$

b) $\frac{5}{7} = \frac{\square}{14}$

c) $\frac{7}{8} = \frac{14}{\square}$

d) $\frac{3}{4} = \frac{6}{\square}$

e) $\frac{3}{4} = \frac{12}{\square}$

f) $\frac{3}{4} = \frac{\square}{12}$

g) $\frac{2}{\square} = \frac{10}{15}$

h) $\frac{2}{\square} = \frac{10}{25}$

i) $\frac{2}{7} = \frac{10}{\square}$

j) Describe the pattern in parts g), h) and i) to a partner.

5 Find three ways to make the fractions equivalent.

a) $\frac{1}{\square} = \frac{7}{\square}$

$\frac{1}{\square} = \frac{7}{\square}$

$\frac{1}{\square} = \frac{7}{\square}$

b) $\frac{7}{\square} = \frac{14}{\square}$

$\frac{7}{\square} = \frac{14}{\square}$

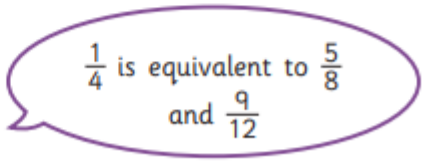
$\frac{7}{\square} = \frac{14}{\square}$

c) $\frac{\square}{7} = \frac{\square}{14}$

$\frac{\square}{7} = \frac{\square}{14}$

$\frac{\square}{7} = \frac{\square}{14}$

6 Ron is finding equivalent fractions to $\frac{1}{4}$



Do you agree with Ron?

Draw a diagram to support your answer.

Compare answers with a partner.

7 Here are some equivalent fractions.

Find the values of A, B and C.

$\frac{A}{9}$ $\frac{3}{B}$ $\frac{2}{18}$ $\frac{C}{90}$

8 Here are three fraction cards.

All the fractions are equivalent.

$\frac{3}{A}$ $\frac{B}{14}$ $\frac{12}{C}$

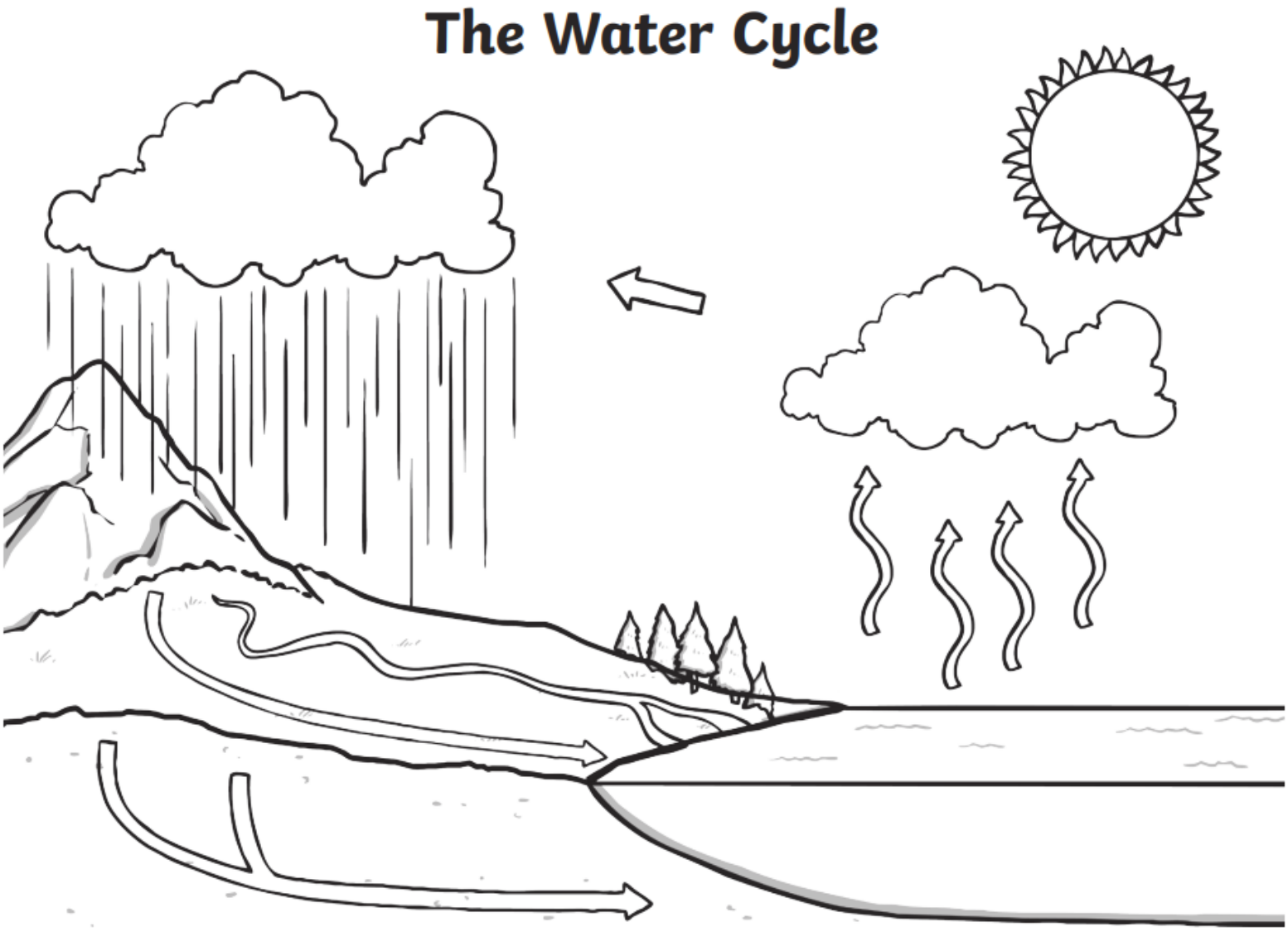
A + B = 13

Work out the value of C.

9 $\frac{1}{5} = \frac{3}{1 + \bullet}$

Find the value of $\bullet$

English Use what you know about the Water Cycle to label this diagram. Can you explain each part of the cycle? Use the text from yesterday to help you.



Key words: Evaporation, Condensation, Precipitation, Collection

	Marlborough Primary Academy	Class 4/5B	Home Learning	Date 25/02/21

Daily activities - 5 a-day!
1) TTRockstars - 20 minutes
2) Morning maths - 15 minutes
3) Independent Reading - 30 minutes
4) Spelling - 20 minutes
5) P.E. - Joe Wicks workout

ENGLISH: Explanations

WALT: Write an explanation

Write an introduction for your explanation text.

Write the first explanation paragraph too.

The English zoom will be at 10:30

Find the details on class dojo.

I will model a good introduction and paragraph during the zoom.

MATHS

WALT: understand fractions that are greater than one.

Watch the video then have a go at the work in the booklet.

https://vimeo.com/498362964

There will be a class maths zoom at 9:30.

Please watch the video and do your morning maths first.

Reading

Summarise

What has happened in Abi's life?

Write a timeline of her life

with the key events mentioned in the story.

This is morning maths

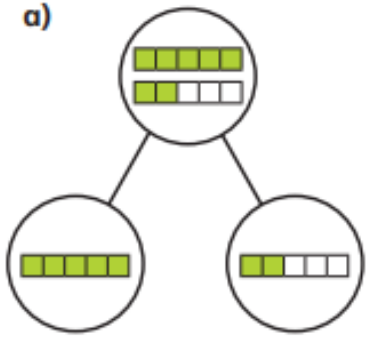
Solve these problems using written or mental methods.

If you get stuck send me a dojo message!

7815 + ? = 10,000	10 x 3 x 7 x 9 x 23 x 0	Round 391 to the nearest 10
5 - 7 =	2317 ÷ 7	Find 2/5 of 185

1 Complete the sentences.

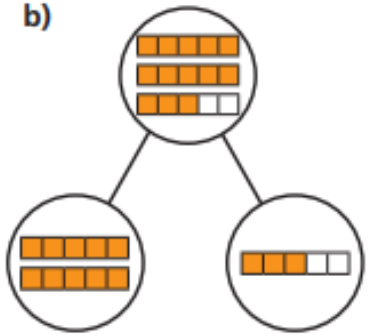
a)



There are 7 fifths altogether.

7 fifths = ☐ whole + ☐ fifths

b)

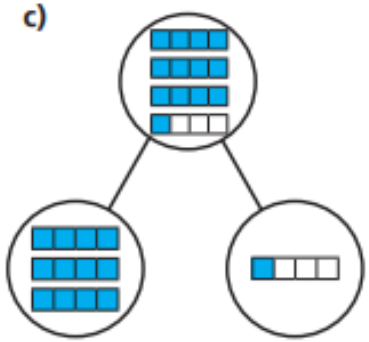


There are ☐ fifths altogether.

☐ fifths = ☐ wholes +

☐ fifths

c)



There are ☐ quarters altogether.

☐ quarters = ☐ wholes +

☐ quarter

2 Shade bar models to represent the fractions.

Complete the number sentences.

a) $\frac{5}{3}$ $\frac{5}{3} = \square$ whole + $\square$ thirds = $\square$

b) $\frac{8}{3}$ $\frac{8}{3} = \square$ wholes + $\square$ thirds = $\square$

c) $\frac{8}{5}$ $\frac{8}{5} = \square$ whole + $\square$ fifths = $\square$

3 Complete the statements.

a) $\frac{12}{2} = \square$ wholes

b) $\frac{12}{4} = \square$ wholes

c) $\frac{12}{6} = \square$ wholes

d) $\frac{12}{3} = \square$ wholes

e) $\frac{15}{3} = \square$ wholes

f) $\frac{15}{5} = \square$ wholes

g) $\frac{15}{4} = \square$ wholes + $\square$ quarters

h) $\frac{15}{2} = \square$ wholes + $\square$ half

4 Whitney bakes 26 muffins.

Muffins are packed in boxes of 4

a) How many boxes can Whitney fill?

b) How many more muffins does Whitney need to fill another box?

Explain how you know.

How does writing $\frac{26}{4}$ help you to answer this?

5 Write <, > or = to complete the statements.

a) 2 wholes and 3 quarters ◯ 5 quarters

b) 2 wholes and 3 quarters ◯ 15 quarters

c) 2 wholes and 3 sixths ◯ 15 sixths

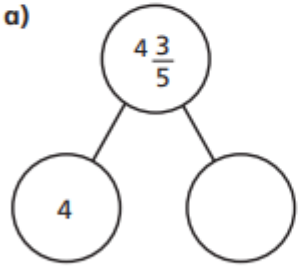
d) 2 wholes and 3 eighths ◯ 15 eighths

e) $\frac{15}{3}$ ◯ $\frac{15}{5}$

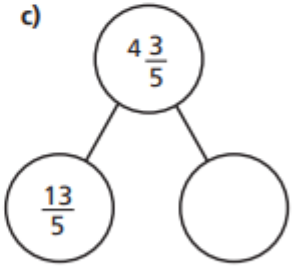
f) $\frac{15}{3}$ ◯ $\frac{20}{4}$

6 Complete the part-whole models.

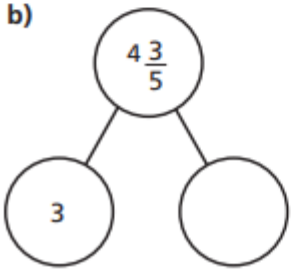
a)



c)



b)



English: Explanation Write an introduction and an explanation paragraph

What should a good introduction to an explanation be like?

1. Use a question as a title that you will answer with your explanation.
2. Write a short paragraph that says why the question is important and tries to interest the reader.
3. Use past tense.
4. Use questions

   Have you ever...

   Do you ever...

5. Encourage the reader to read the text: Read on to ...

Write the first paragraph of your explanation

1. Use a sequencing phrase such as: At the beginning.
2. Write in present tense.
3. Use technical vocabulary.
4. Explain one step of the cycle.

	Marlborough Primary Academy	Class 4/5B	Home Learning	Date 26/01/21

Daily activities - 5 a-day!
1) TTRockstars - 20 minutes
2) Morning maths - 15 minutes
3) Independent Reading - 30 minutes
4) Spelling - 20 minutes
5) P.E. - Joe Wicks workout

ENGLISH:

WALT: write a short explanation

Write your own version of the water cycle explanation.

Use the introduction from yesterday to get you started.

Write a concluding paragraph at the end.

The English zoom will be at 10:30

Find the details on class dojo.

MATHS

WALT: change improper fractions to mixed numbers.

Watch the video then have a go at the work in the booklet.

https://vimeo.com/498991812

There will be a class maths zoom at 9:30.

Please watch the video and do your morning maths first.

Reading

It's reading den time! Settle down in a comfy spot with a good book.

Perhaps you could get a tasty snack to nibble while you read.

I've included a reading book that I hope you will enjoy with your pack this week.

Let me know how you get on.

This is morning maths

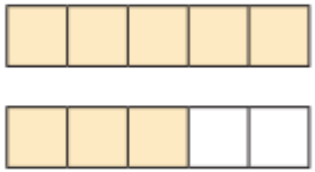
Solve these problems using written or mental methods.

If you get stuck send me a dojo message!

? + 2651 = 8512	3 x 3 x 3	Round 78210 to the nearest 10,000
? - 4251 = 6719	812 ÷ 9	Find ¾ of 3200

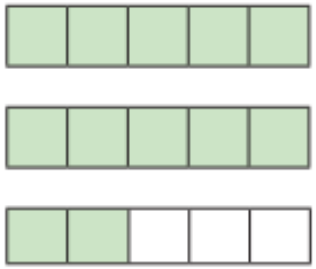
1 Convert the improper fractions to mixed numbers.

a)



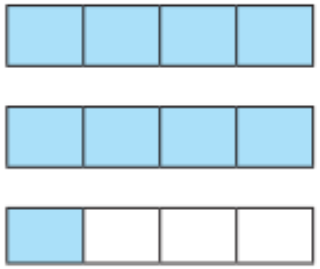
$\frac{8}{5} = \square$

b)



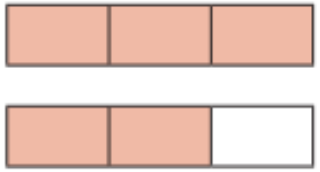
$\frac{\square}{5} = \square$

c)



$\frac{\square}{\square} = \square$

d)



$\frac{\square}{\square} = \square$

2 Shade bar models to represent each improper fraction.

Convert the improper fractions to mixed numbers.

a) $\frac{7}{3}$ b) $\frac{8}{3}$ c) $\frac{9}{4}$ d) $\frac{11}{4}$

3 Convert the improper fractions to mixed numbers.

a) $\frac{10}{2}$ c) $\frac{10}{4}$ e) $\frac{12}{5}$ g) $\frac{13}{7}$

b) $\frac{10}{3}$ d) $\frac{10}{5}$ f) $\frac{13}{6}$ h) $\frac{31}{8}$

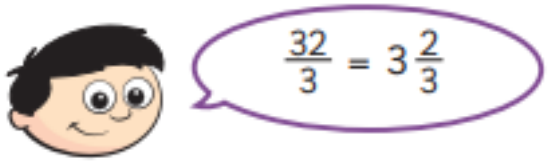
4 Eva has 7 bottles of juice.

Each bottle contains half a litre of juice.

How many litres of juice does Eva have altogether?

Write your answer as a mixed number.

5 Dexter is converting improper fractions.



Explain why Dexter is incorrect.

6 Find the value of ●

$$\frac{27}{●} = ● \frac{2}{●}$$

7 Find two possible values for ★ and ▲

$$\frac{30}{★} = ▲ \frac{2}{★}$$

English: How to write a good concluding paragraph to explain a cycle.

1. Explain that the water cycle can now start again: 'Once the water has collected...'
2. Use present tense
3. Use a phrase such as- 'So now you know.... or 'Now you understand'
4. Add a fact box with interesting facts to support your explanation.