Class 3 Home Learning, week beginning 18th May 2020

Maths - Year 3

Part 1: Fractions (end of unit questions)

Complete the questions you feel most confident with; do not feel you have to do them all!

The answers are included in this document.

Part 2: Summer Term, Week 2 (w/c 27 April)

Lesson 4: Problem Solving

Today's video is linked to the problem solving.

Class 3 Home Learning, week beginning 18th May 2020

Maths - Year 3

Part 1: Fractions (end of unit questions)

Complete the questions you feel most confident with; do not feel you have to do them all!

The answers are included in this document.

Do not worry about the marking scheme - this would be something Mrs Cameron would be looking at if we were in school!

Year 3

Fractions

Name _____

1 Here are some shapes.

What fraction of the shapes are triangles?

_____

What fraction of the shapes are squares?

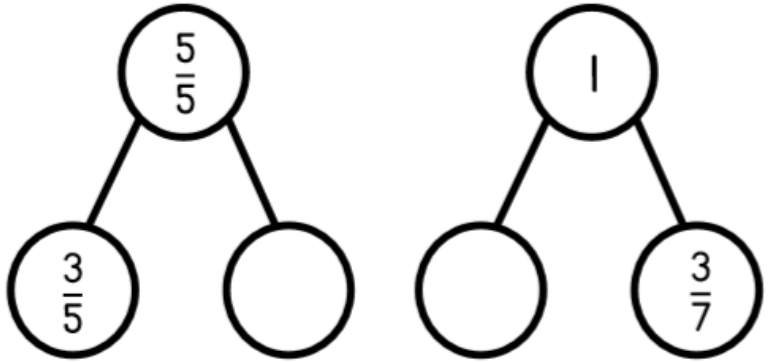
_____

2 Circle the unit fractions.

$\frac{1}{5}$	One eighth	$\frac{2}{5}$	$\frac{7}{8}$	$\frac{1}{6}$

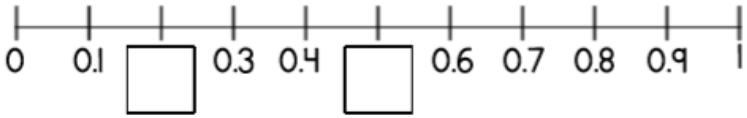
2 marks

3 Complete the part-whole models.

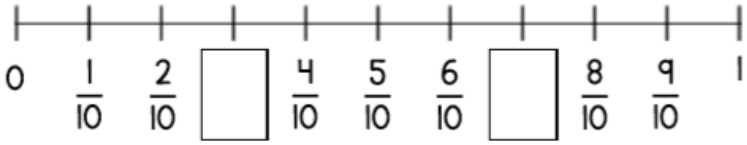


2 marks

4 Complete the number lines.



1 mark



1 mark

5 Tim has 16 grapes.

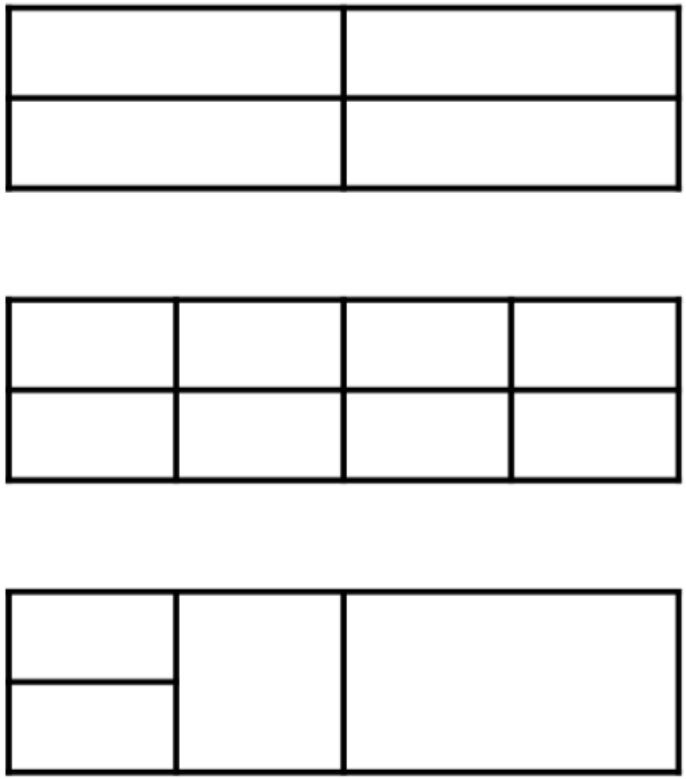
He gives $\frac{1}{8}$ of the grapes to Sam.

How many grapes does he give to Sam?

_____ grapes

1 mark

6 Shade $\frac{3}{4}$ of each shape.



3 marks

7 Compare using $<$, $>$ or $=$

$\frac{1}{5}$ of 20 ◯ $\frac{1}{4}$ of 20

$\frac{3}{8}$ of 24 ◯ $\frac{1}{2}$ of 24

2 marks

8 Aisha has a bag of marbles.

She gives $\frac{3}{4}$ of the bag to Heidi.

Aisha has 12 marbles left.

How many marbles did she have to begin with?

_____ marbles

1 mark

Circle how confident you feel with fractions.

1 2 3 4 5

Not confident — Very confident

Answers are on the next two pages.

Year 3

Fractions

Name _____

1 Here are some shapes.

What fraction of the shapes are triangles?

$\frac{5}{8}$

1 mark

What fraction of the shapes are squares?

$\frac{3}{8}$

1 mark

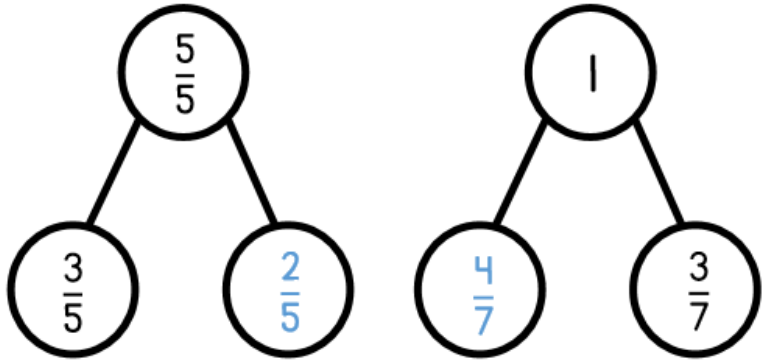
2 Circle the unit fractions.

$\frac{1}{5}$ | One eighth | $\frac{2}{5}$ | $\frac{7}{8}$ | $\frac{1}{6}$

1 mark for 2 correct.

2 marks

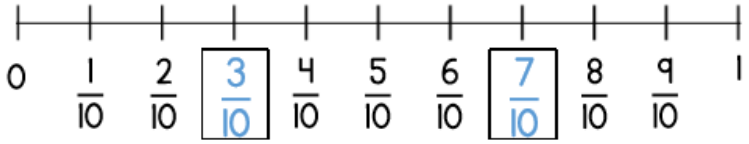
3 Complete the part-whole models.



2 marks

4 Complete the number lines.

1 mark



1 mark

5 Tim has 16 grapes.

He gives $\frac{1}{8}$ of the grapes to Sam.

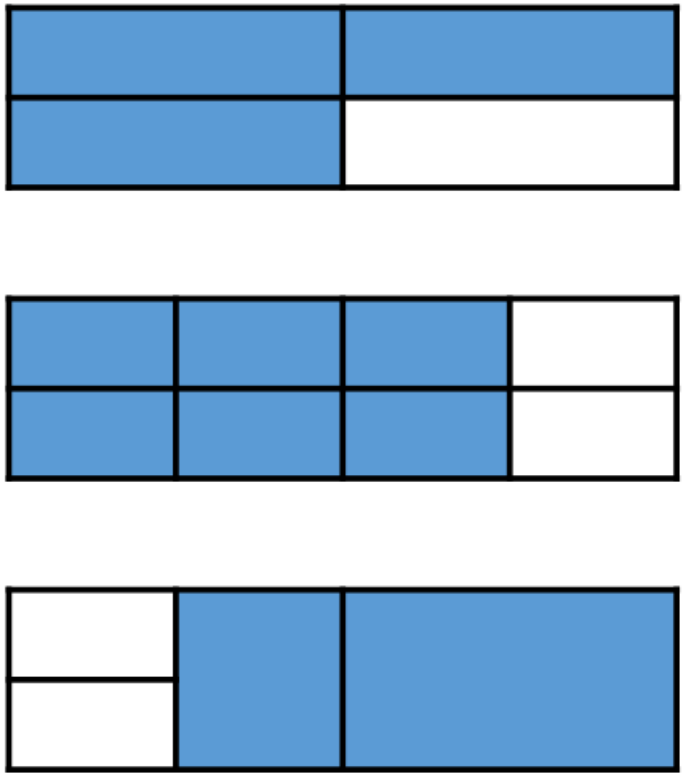
How many grapes does he give to Sam?

2 grapes

1 mark

6 Shade $\frac{3}{4}$ of each shape.

Accept other correct ways to shade $\frac{3}{4}$



3 marks

7 Compare using $<$, $>$ or $=$

$\frac{1}{5}$ of 20 $<$ $\frac{1}{4}$ of 20

$\frac{3}{8}$ of 24 $<$ $\frac{1}{2}$ of 24

2 marks

8 Aisha has a bag of marbles.

She gives $\frac{3}{4}$ of the bag to Heidi.

Aisha has 12 marbles left.

How many marbles did she have to begin with?

48 marbles

1 mark

Circle how confident you feel with fractions.

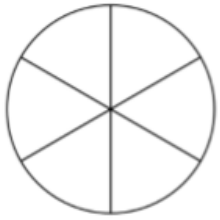
1	2	3	4	5
Not confident				Very confident

Year 3

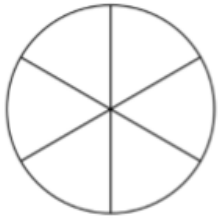
Fractions

Name _____

1 Shade $\frac{2}{6}$ of the circle.

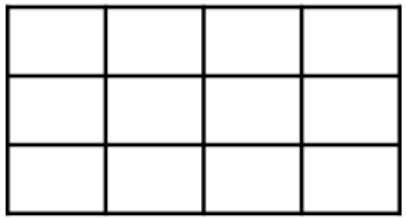


Shade $\frac{1}{3}$ of the circle.



2 marks

2 Shade $\frac{1}{2}$ of the shape.



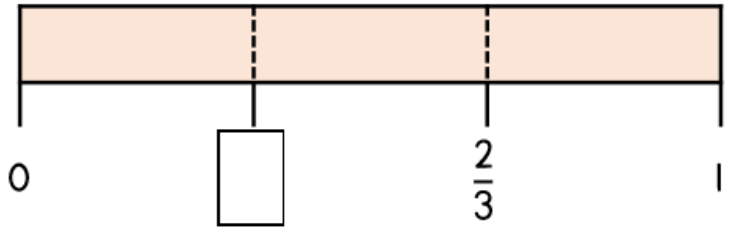
1 mark

Complete the equivalent fraction.

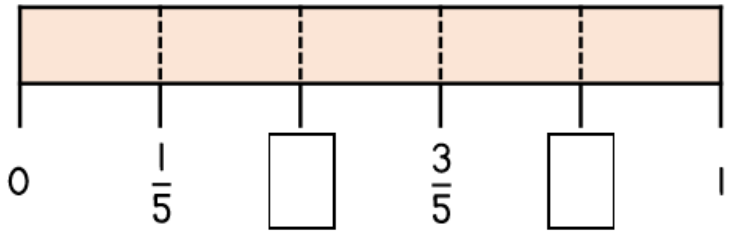
$$\frac{1}{2} = \frac{\square}{12}$$

1 mark

3 Complete the missing boxes.



1 mark



1 mark

Compare using $<$, $>$ or $=$

$\frac{3}{5}$ ◯ $\frac{4}{5}$

$\frac{1}{3}$ ◯ $\frac{1}{5}$

2 marks

4 Amy, Zac and Harry are running a race.

Zac has run $\frac{1}{2}$ of the race.

Amy has run $\frac{3}{4}$ of the race.

Harry has run $\frac{1}{4}$ of the race.

Who has run the shortest distance?

Explain your answer.

☐

2 marks

5 Use the ten frame to help you complete the number sentences.

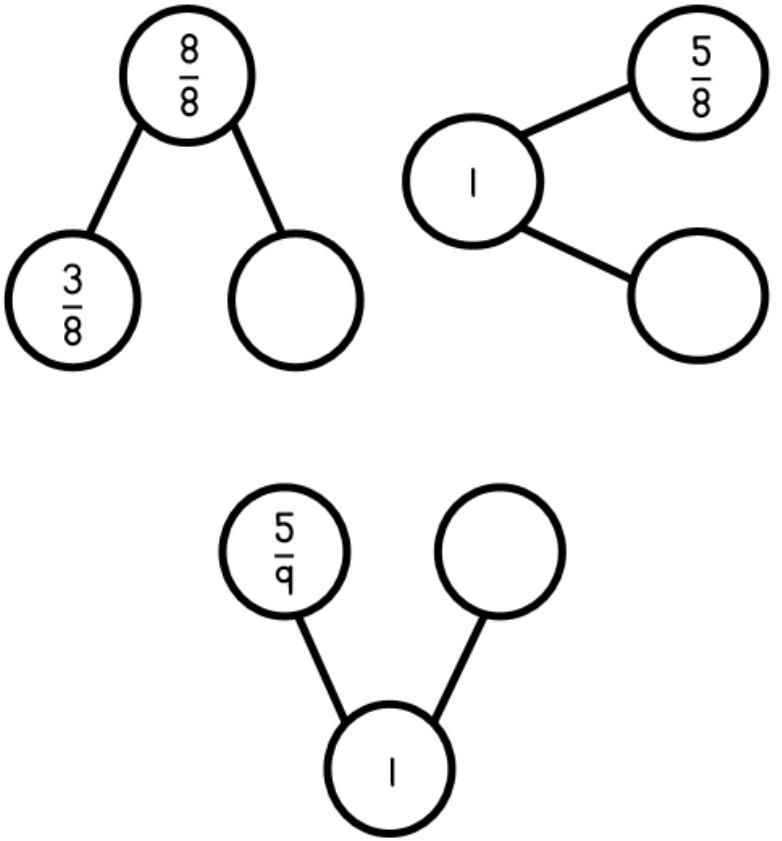
$$\frac{2}{10} + \frac{\square}{10} = \frac{10}{10}$$

$$1 - \frac{2}{10} = \frac{\square}{10}$$

☐

2 marks

6 Complete the part-whole models.



☐

3 marks

Circle how confident you feel with fractions.

1	2	3	4	5
Not confident				Very confident

Answers are on the next two pages.

Year 3

Fractions

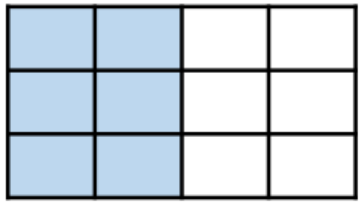
Name _____

1 Shade $\frac{2}{6}$ of the circle.

Shade $\frac{1}{3}$ of the circle.

2 marks

2 Shade $\frac{1}{2}$ of the shape.



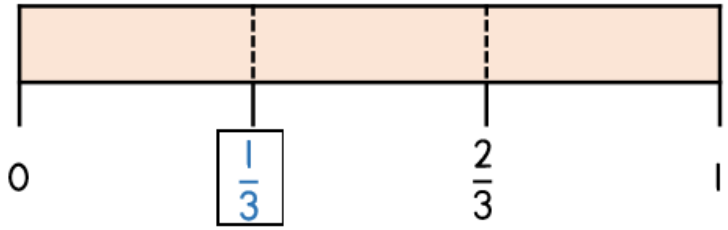
1 mark

Complete the equivalent fraction.

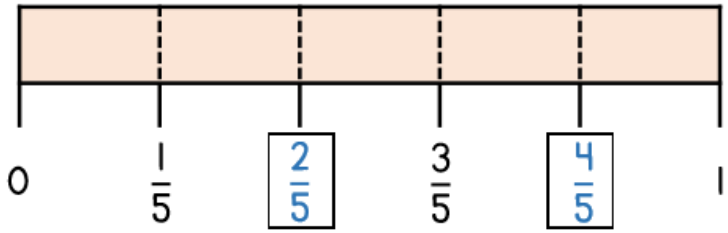
$$\frac{1}{2} = \frac{\boxed{6}}{12}$$

1 mark

3 Complete the missing boxes.



1 mark



1 mark

Compare using $<$, $>$ or $=$

$\frac{3}{5}$ $<$ $\frac{4}{5}$

$\frac{1}{3}$ $>$ $\frac{1}{5}$

2 marks

4 Amy, Zac and Harry are running a race.

Zac has run $\frac{1}{2}$ of the race.

Amy has run $\frac{3}{4}$ of the race.

Harry has run $\frac{1}{4}$ of the race.

Who has run the shortest distance?

Explain your answer.

Harry because $\frac{1}{4}$ is shorter than $\frac{1}{2}$ and $\frac{3}{4}$

Award one mark for Harry and one mark for a reasonable explanation.

2 marks

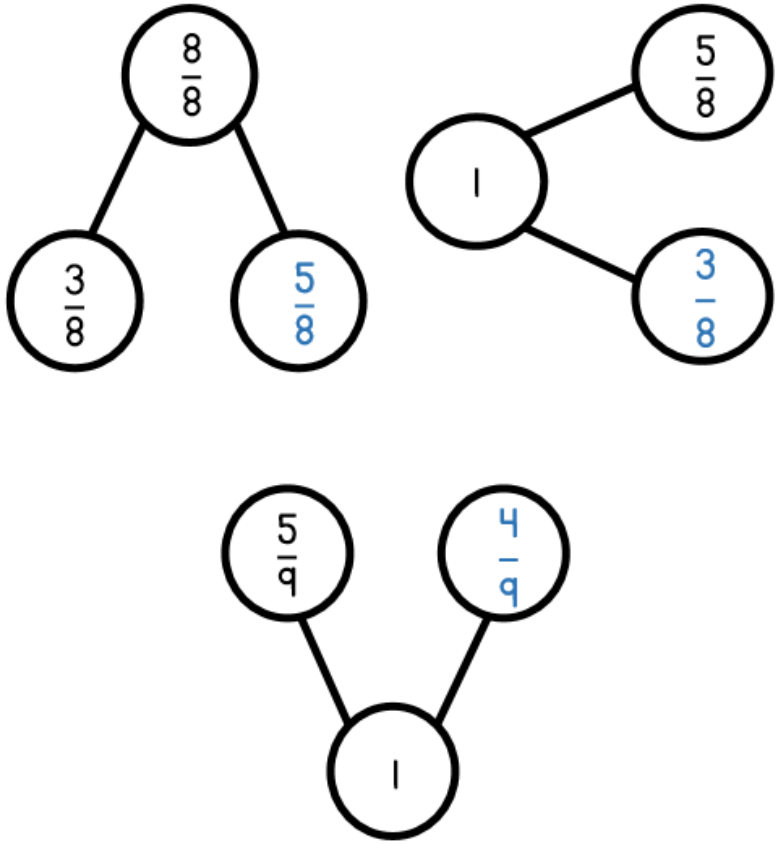
5 Use the ten frame to help you complete the number sentences.

$$\frac{2}{10} + \frac{\boxed{8}}{10} = \frac{10}{10}$$

$$1 - \frac{2}{10} = \frac{\boxed{8}}{10}$$

2 marks

6 Complete the part-whole models.



Circle how confident you feel with fractions.

1	2	3	4	5
Not confident				Very confident

Class 3 Home Learning, week beginning 18th May 2020

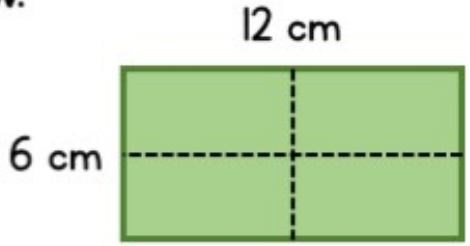
Maths - Year 3

Part 2: Summer Term, Week 2 (w/c 27 April)

Lesson 4: Problem Solving

Today's video on the White Rose Home Learning website is linked to the problem solving.

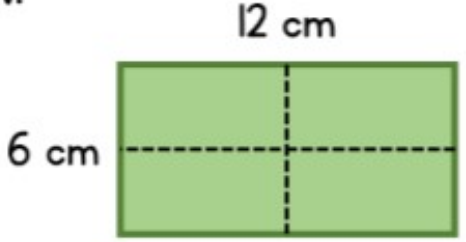
1 A rectangle has a length of 12 cm and a width of 6 cm.
It is cut in quarters like shown below.



The four parts are put together to make the following shape.

What is the perimeter of the new shape?

2 A rectangle has a length of 12 cm and a width of 6 cm.
It is cut in quarters like shown below.



The four parts are put together to make the following shape.

What other perimeters could be made?

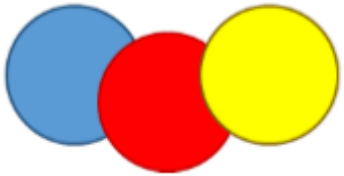
Answers are on the White Rose Maths Home Learning website.

3 There are 81 red, blue and yellow counters in total.

There are 9 more red counters than yellow ones.

There are the same amount of yellow and blue counters.

How many of each colour are there?

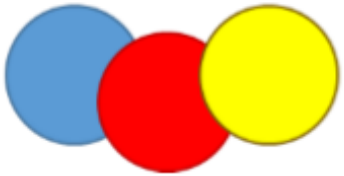


4 There are 81 red, blue and yellow counters in total.

There are 9 more red counters than yellow ones.

There are the same amount of red and blue counters.

How many of each colour are there?



Answers are on the White Rose Maths Home Learning website.