

Name \_\_\_\_\_

1


Use the fraction bars to simplify the fractions.

$$\frac{6}{9} =$$

$$5\frac{3}{6} =$$

2 marks

2 Max says  $\frac{30}{50}$  in its simplest form is  $\frac{15}{25}$

Is Max correct?

Yes

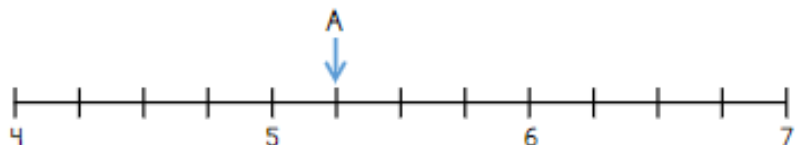
No

Explain your answer.

1 mark

1 of 2

3



What number is the arrow pointing to?

1 mark

Draw an arrow to the number that is  $\frac{3}{4}$  less than A.

1 mark

What number is  $1\frac{1}{2}$  greater than A?

1 mark

4

Tick the statements that are true.

$\frac{3}{5}$  is greater than  $\frac{3}{7}$

$1\frac{3}{8}$  is less than  $\frac{7}{8}$

$\frac{2}{8}$  is equal to  $\frac{5}{20}$

$2\frac{1}{4}$  is greater than  $\frac{11}{4}$

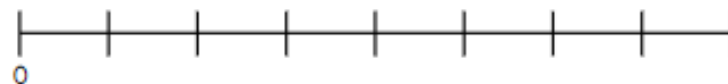
2 marks

5

Write the fractions in order from smallest to largest.

You may use the number line to help you.

$\frac{3}{4}$     $\frac{5}{8}$     $\frac{3}{8}$     $\frac{1}{16}$




2 marks

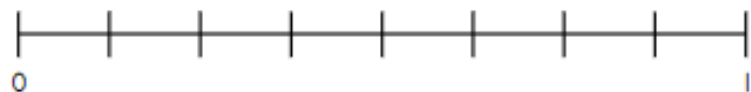
6 Calculate

$$\frac{2}{3} + \frac{1}{9} =$$

$$\frac{5}{6} - \frac{3}{4} =$$

$$2\frac{3}{5} + 1\frac{1}{2} =$$

7 Draw arrows from each fraction to its position on the number line.



$$\frac{36}{48}$$

$$\frac{33}{66}$$

$$\frac{29}{29}$$

8 Jenny reads  $\frac{1}{4}$  of her book on Monday.

She reads  $\frac{1}{3}$  of the book on Tuesday.

On Wednesday she reads the rest of the book.

What fraction of the book did she read on Wednesday?

9 Three friends share a chocolate bar.

Laura gets  $\frac{3}{9}$ , Phil gets  $\frac{4}{12}$  and Matt gets  $\frac{7}{21}$

Did they share the chocolate bar equally?

Explain your answer.

3 marks

10 A circle has an area of  $18\frac{1}{6} \text{ cm}^2$ .

Max cuts a triangle from the circle.

The triangle has an area of  $5\frac{2}{3} \text{ cm}^2$ .

What is the area of the circle that is left?



2 marks

1 mark

2 marks

\_\_\_\_\_  $\text{cm}^2$

Circle how confident you feel with fractions.

1

2

3

4

5

Not

Very

confident

2 marks

of 2



confident

# Year 6

## Fractions (× and ÷)

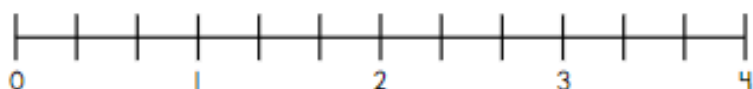
B

Name \_\_\_\_\_

- 1 A carton contains  $\frac{2}{3}$  of a litre of milk.

How much milk is in 4 cartons?

You may use the number line to help you.



\_\_\_\_\_ litres

1 mark

- 2 Work out  $\frac{1}{2} \times \frac{3}{4}$

You may use the diagram to help you.




1 mark

- 3 What is  $1\frac{3}{4} \times 3$

You may use the images to help you.




2 marks

- 4 Work out the missing values.

$$10 \times \frac{1}{3} = \frac{\square}{3}$$

$$10 \times \frac{\square}{7} = \frac{20}{7}$$

$$10 \times \frac{\square}{9} = 7\frac{7}{9}$$

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

4 marks

- 5 A bag contains 400 counters.

$\frac{1}{4}$  of the counters are red.

$\frac{3}{8}$  of the counters are blue.

How many more blue counters than red counters are there?

2 marks

- 6 Use the diagram to convince me that  $\frac{1}{3} \div 2$  is equal to  $\frac{1}{6}$



What is  $\frac{1}{2} \div 5$ ?

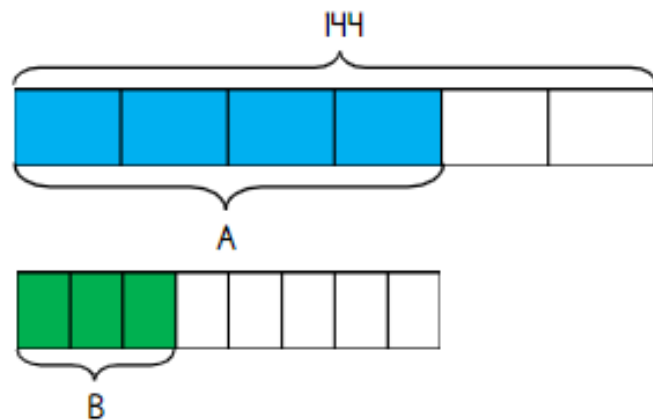


What is  $\frac{2}{3} \div 4$ ?

\_\_\_\_\_

\_\_\_\_\_

7



What is the value of A?

\_\_\_\_\_

What is the value of B?

\_\_\_\_\_

1 mark

1 mark

1 mark

2 marks of 2

- 8 From Monday to Wednesday, Max rows  $2\frac{1}{5}$  km each day.  
From Thursday to Saturday, Max rows  $4\frac{3}{10}$  km each day.  
How far does he row in total from Monday to Saturday?  
Show all your working.

\_\_\_\_\_ km

2 marks

- 9 Becky spends  $\frac{3}{5}$  of her money.  
She has £60 left.  
How much money did she start with?

£ \_\_\_\_\_

1 mark

- 10  $\frac{2}{5}$  of  $\frac{1}{4}$  of a number is equal to 8

What is the number?

\_\_\_\_\_

2 marks

Circle how confident you feel with fractions.

1

2

3

4

5

Not

Very  
confident