



Maths

Home Learning

Year 5 Spring 1 Quiz

Please complete this booklet independently.

This quiz is designed to see your understanding of content that has been covered this half term with some arithmetic style questions (based on your year group).

WB 08.02.2021

$312 + 100 =$

$421 - 50 =$

$91 \div 7 =$

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$$\frac{5}{9} + \frac{2}{9} =$$

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$$\frac{11}{15} - \frac{4}{15} =$$

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$$3981 + 4062 =$$

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$$5118 + 2904 =$$

$$8629 - 761 =$$

$73 \div 1 =$

[illegible]

$8 \times 3 \times 5 =$

A blank coordinate grid with x and y axes ranging from 0 to 10. The grid is used for plotting the graph of the function $y = \frac{1}{2}x^2$.

$$528 \times 5 =$$

$$5.9 + 0.3 =$$

[illegible]

$$\frac{5}{6} \text{ of } 90 =$$

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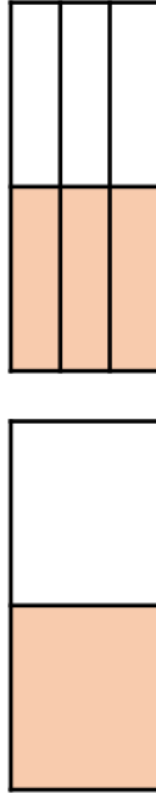
$$q^2$$

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$$5.6 \times 100 =$$

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- 1 Use the diagram to help you complete the equivalent fraction.



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

- 2 Use the diagram to show that $\frac{3}{5}$ is equal to $\frac{6}{10}$



- 3 Complete.

$$\frac{10}{35} = \frac{\boxed{}}{7} \quad \frac{\boxed{}}{27} = \frac{2}{3}$$

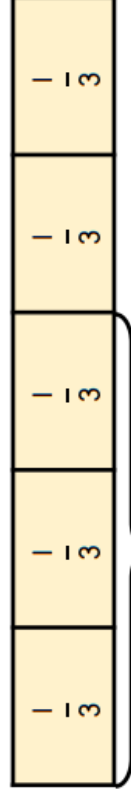
$$3\frac{9}{5} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{35}$$

1 mark

1 mark

4 marks

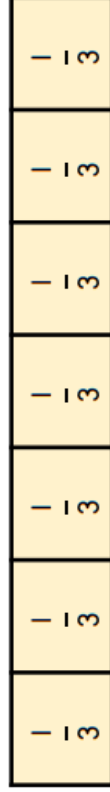
- 4 Jack uses a bar model to convert $\frac{5}{3}$ to a mixed number.



1 whole

So $\frac{5}{3}$ is equal to $1\frac{2}{3}$

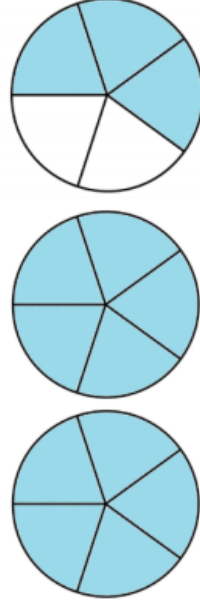
Convert $\frac{7}{3}$ to a mixed number.



1 mark

- 5 Convert $2\frac{3}{5}$ to an improper fraction.

Use the diagram to help you.



- 6 Complete.

$$13\frac{7}{10} = \frac{\boxed{}}{10} \quad \boxed{}\frac{2}{3} = \frac{20}{3}$$

1 mark

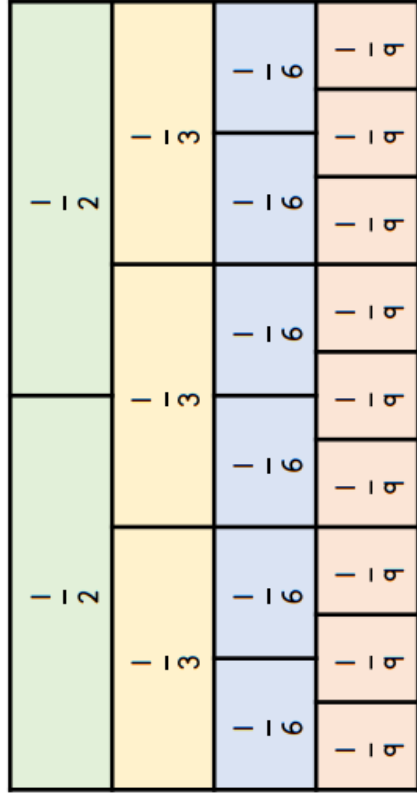
2 marks

7 Complete.

$$4\frac{\boxed{}}{5} = \frac{\boxed{}}{\boxed{}} \qquad 13\frac{\boxed{}}{6} = \frac{\boxed{}}{\boxed{}}$$

2 marks

8 Annie makes a fraction wall using coloured blocks.



Complete using $<$, $>$ or $=$

$$\frac{1}{2} \bigcirc \frac{1}{3} \qquad \frac{5}{6} \bigcirc \frac{7}{9} \qquad \frac{4}{9} \bigcirc 1$$

3 marks

9 Hassan and Amy have the same amount of juice in a carton.

Hassan drinks $\frac{3}{4}$ of his juice.

Amy drinks $\frac{5}{6}$ of her juice.

Who has the most juice left?

You must show your working.

2 marks

10

$$11 \div 3 = \frac{\boxed{}}{\boxed{}}$$

1 mark

11 Put the fractions in order starting with the smallest.

$$2\frac{7}{10}$$

$$1\frac{1}{2}$$

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

Explain your answer.

2 marks

1 Max has made a number on a place value grid.

Ones	Tenths	Hundredths
	0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01

Write Max's number as a decimal.

Write Max's number as a fraction.

What is Max's number rounded to the nearest tenth?

1 mark

1 mark

1 mark

2 Match the decimal with the correct value of the underlined digit.

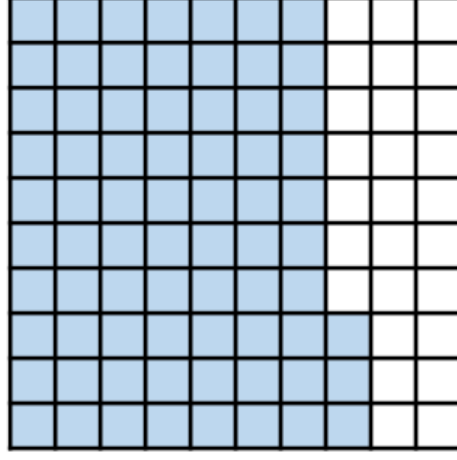
0.5 <u>3</u>	3 ones
0. <u>3</u> 5	3 hundredths
<u>3</u> 5	3 tenths
5 <u>3</u> .6	3 tens

2 marks

1 mark

1 mark

3 Here is a hundred square.



What percentage of the square is shaded?

What fraction of the square is shaded?

4 Complete the fractions.

$$\frac{43}{100} = \frac{4}{10} + \frac{\boxed{}}{100}$$

$$\frac{79}{100} = \frac{\boxed{}}{10} + \frac{9}{\boxed{}}$$

5 There are 1,000 people at a concert.

481 of the people are men.

What fraction of the people are men?

Write the fraction of men as a decimal.

6 4 children are measuring their height.

Emily - 1.43 metres

Junaid - 1.47 metres

Lucas - 1.4 metres

Sita - 1.39 metres

Order the children from tallest to shortest.

Sami is taller than Lucas but Shorter than Emily.

How tall could Sami be?

_____ metres

7 Maryam is running a 1 kilometre race.

She has ran $\frac{345}{1000}$ of the race so far.

How many metres has Maryam run?

_____ metres

What fraction of the race does she have left to run?

8 Ben has £200

He spends £65 on a coat and £35 on some trainers.

What fraction of his money has Ben spent?

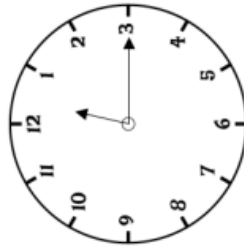
Ben spends 24% of his remaining money on a computer game.

How much money does Ben have left?

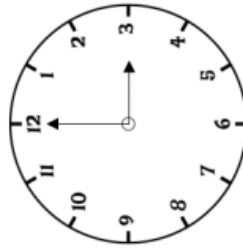
£ _____

Time

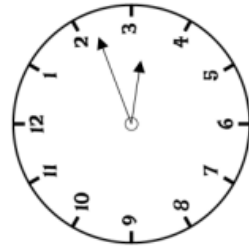
- 1 Match the analogue and digital clocks that show the same time.



15 : 00



12 : 15



03 : 12

2 marks

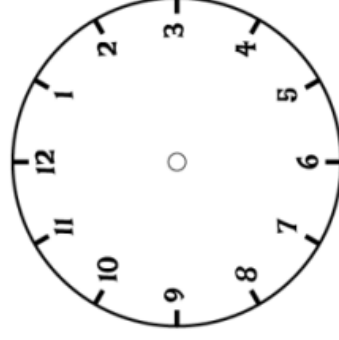
- 2 Complete the table.

Month	Number of Days
March	
November	
	28 or 29

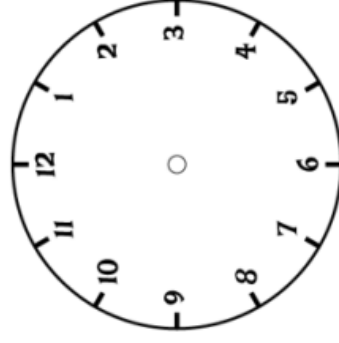
3 marks

- 3 Jack sets off to the shop at twenty past nine. He arrives at the shop 35 minutes later.

Draw the times on the clock faces.



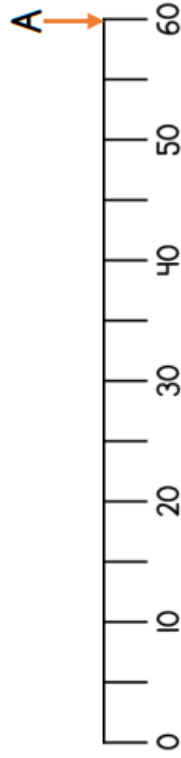
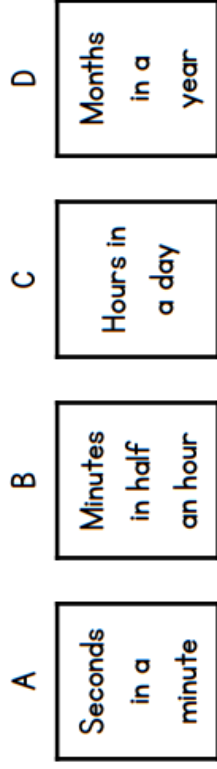
Sets off



Arrives

2 marks

- 4 Draw arrows to match the statements to the correct position on the number line. One has been done for you.



3 marks

- 5 Circle the times that match the time shown on the digital clock.

17 : 45

quarter to six
in the evening

5:45 p.m.

5:45 a.m.

7:45 p.m.

2 marks

- 6 A machine makes one gadget every 20 seconds.
How many gadgets does it make in 5 minutes?

1 mark

gadgets

- 7 Tim and Jemima both walk 12 kilometres.
Tim takes 4 hours and 10 minutes.
Jemima takes 270 minutes.
Who takes the longest?

Tim Jemima

How much longer?

1 mark

1 mark

Circle how confident you feel with time.

1	2	3	4	5
Not confident				Very confident