

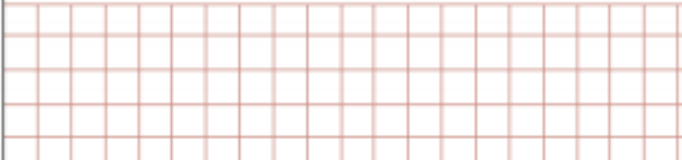
Thursday 4th June

If you haven't already, login to Sumdog
<https://pages.sumdog.com/> using your Mymaths login and password, so that you can set your question level before the competition starts tomorrow!

Remember to think about which questions would be best answered by a mental method, and which by a written method. If you get stuck on any questions, use the answer to see if you can work backwards, to see how to solve it.

1	$\frac{1}{3}$ of 84 =	
		
<input type="text"/>		<input type="checkbox"/> 1 mark

2	$7,684 \div 8 =$	
		
<input type="text"/>		<input type="checkbox"/> 1 mark

3	$8.761 \times 10 =$	
		
<input type="text"/>		<input type="checkbox"/> 1 mark

4	$206 \times 8 =$	
		
<input type="text"/>		<input type="checkbox"/> 1 mark

5	$600 + 573 =$	
		
<input type="text"/>		<input type="checkbox"/> 1 mark

Q1

Draw lines between the fractions that are equivalent.

$$\frac{3}{4}$$

$$\frac{6}{16}$$

$$\frac{5}{8}$$

$$\frac{5}{12}$$

$$\frac{3}{20}$$

$$\frac{12}{80}$$

$$\frac{12}{32}$$

$$\frac{10}{24}$$

$$\frac{27}{36}$$

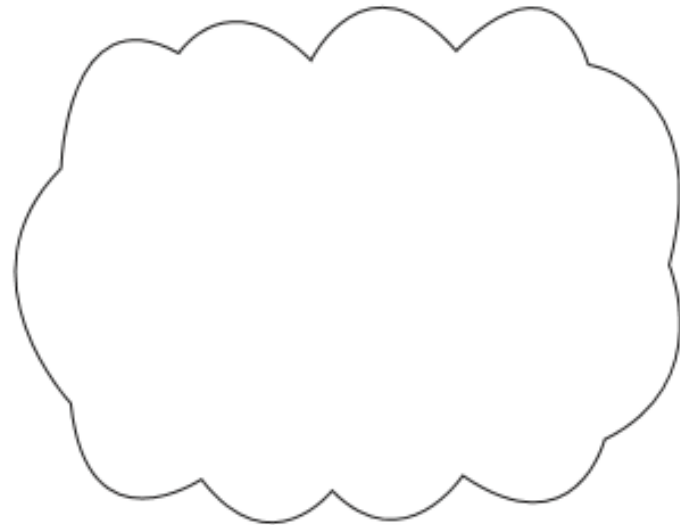
$$\frac{15}{24}$$

2 marks

Q2

Marley says, "8,849,842 rounded to the nearest thousand is 8,849,000."

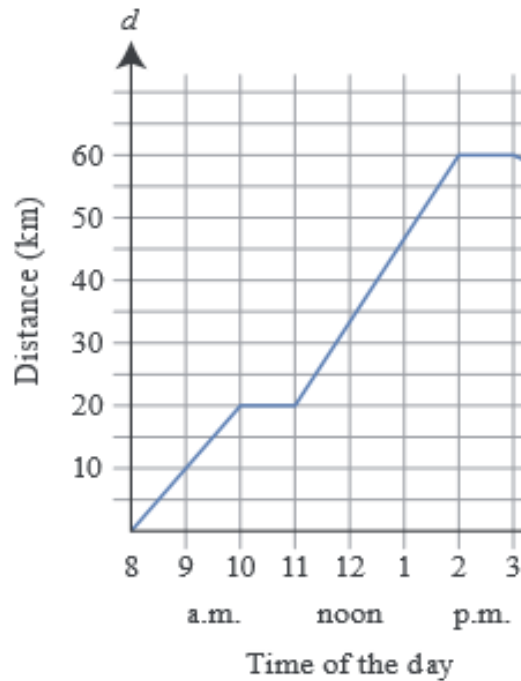
Explain why Marley is incorrect.



1 mark

Q3

Distance travelled during car journey



a

How far had the car travelled by 1pm?

_____ km

1 mark

b

The car doesn't move during two periods of the day.

Between which two periods of time does the car not move?

_____ to _____
 _____ to _____

1 mark

6 Times 8

Copy and complete the following:

$$1 \times 8 = 8 \rightarrow 0 + 8 = 8$$

$$6 \times 8 = 48 \rightarrow 4 + 8 = 12 \rightarrow 1 + 2 = 3$$

$$2 \times 8 = 16 \rightarrow 1 + 6 = 7$$

$$7 \times 8 = 56 \rightarrow 5 + 6 = 11 \rightarrow 1 + 1 = 2$$

$$3 \times 8 = 24 \rightarrow 2 + 4 =$$

$$8 \times 8 =$$

$$4 \times 8 = 32 \rightarrow 3 + 2 =$$

$$9 \times 8 =$$

$$5 \times 8 = 40 \rightarrow 4 + 0 =$$

$$10 \times 8 =$$

Now continue the table from 11×8 to 20×8 to see if the pattern continues.

Investigate other tables.

We would love to see what patterns you find in different multiplication tables!

Answers

1. $\frac{1}{3}$ of 84 = **28** (M)

2. $7,684 \div 8 = \mathbf{960 \text{ r } 4}$ or **960.5** or **960 $\frac{1}{2}$** (W)






3. $8.761 \times 10 = \mathbf{87.61}$ (M)

4. $206 \times 8 = \mathbf{1,648}$ (W)

5. $600 + 573 = \mathbf{1,173}$ (M)

Q1

Draw lines between the fractions that are equivalent.

$\frac{3}{4}$		$\frac{12}{80}$
$\frac{6}{16}$		$\frac{12}{32}$
$\frac{5}{8}$		$\frac{10}{24}$
$\frac{5}{12}$		$\frac{27}{36}$
$\frac{3}{20}$		$\frac{15}{24}$

2 marks

Q2

Marley says, “8,849,842 rounded to the nearest thousand is 8,849,000.”

Explain why Marley is incorrect.

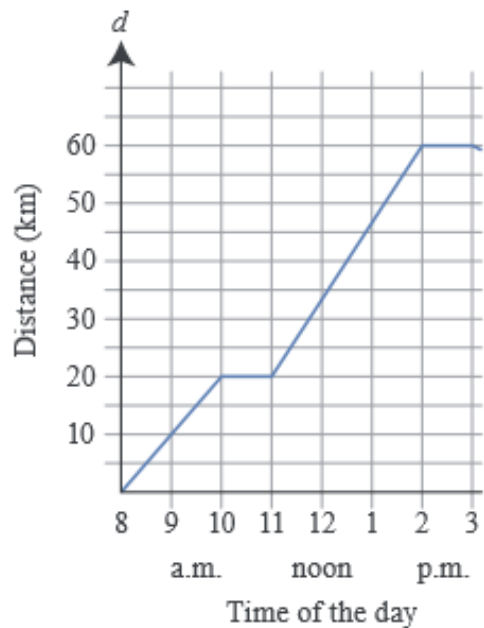
Example answer:

There is a 9 in the hundreds place that means we need to round the number up. Because the thousands place has a digit 9 in it, it also means we need to change the value of the ten thousands place.

1 mark

Q3

Distance travelled during car journey



a

How far had the car travelled by 1pm?

45

km

1 mark

b

The car doesn't move during two periods of the day.

Between which two periods of time does the car not move?

10am

to

11am

2pm

to

3pm

1 mark