

Tuesday 7th July

We want to see the patterns you spot in today's maths magic trick!

Warm up with these questions below - and don't get caught out by B!

$$A. \frac{1}{3} + \frac{1}{6} =$$

$$B. ? - 18,573 = 22,749$$

$$C. 8 \times 3 \times 3 =$$

$$D. 89.43 - 13.12 =$$

$$E. 37 \times 78 =$$

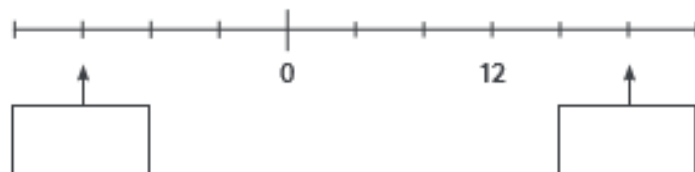
Q1 Write in the missing digits.

$$223 \times \square 7 = 14,94 \square$$

1 mark

Q2 Here is part of a number line.

Fill in the missing boxes.



2 marks

Q3 What is 686 minutes in hours and minutes?

hours and minutes

1 mark

Is it a trick?????



Start with a 2-digit number, e.g. 24

Multiply the tens digit by 9, then add the ones digit.

$$2 \times 9 = 18 \quad 18 + 4 = 22$$

Do the same with your new number.

$$2 \times 9 = 18 \quad 18 + 2 = 20$$

Keep repeating this. What number do you end up at?

Try starting with a different number, do you get the same result?

Amaze your friends and family by asking them to do it and predicting their answer!!!

Answers

$$\text{A. } \frac{1}{3} + \frac{1}{6} = \frac{3}{6} \text{ or } \frac{1}{2} \text{ (M)}$$

$$\text{B. } 41,322 - 18,573 = 22,749 \text{ (W)}$$

$$\text{C. } 8 \times 3 \times 3 = 72 \text{ (M)}$$

$$\text{D. } 89.43 - 13.12 = 76.31 \text{ (M)}$$

$$\text{E. } 37 \times 78 = 2,886 \text{ (W)}$$

Q1

Write in the missing digits.

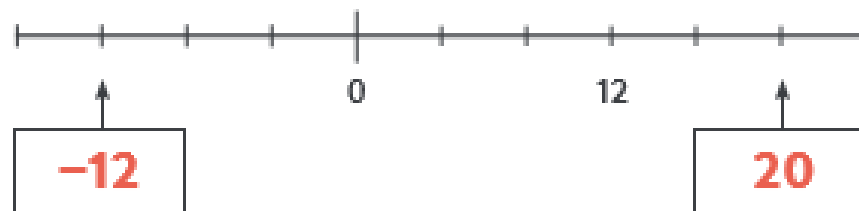
$$223 \times \boxed{6}7 = 14,94\boxed{1}$$

1 mark

Q2

Here is part of a number line.

Fill in the missing boxes.



2 marks

Q3

What is 686 minutes in hours and minutes?

11 hours and **26** minutes

1 mark