

Monday 6<sup>th</sup> July

This week, we have a range of maths magic tricks for you to amaze your family!

First, try these questions below. Only use a written method for the ones you need to.

$$A. \frac{1}{7} + \frac{3}{7} =$$

$$B. 43.34 + 4.894 =$$

$$C. 76.4 - 21.2 =$$

$$D. 5 \times 6 \times 5 =$$

$$E. 683 \times 7 =$$



# Is it a trick????

1. Think of any three-digit number in which each of the digits is the same. Examples include 333, 666, 777, and 999.

333

2. Add up the digits.

$$3+3+3=9$$

3. Divide the three-digit number by your answer from Step 2.

$$\begin{array}{r} 37 \\ 9 \overline{) 333} \\ \underline{3} \phantom{0} \\ 3 \phantom{0} \\ \underline{3} \phantom{0} \\ 0 \phantom{0} \end{array}$$



Is your answer 37? Try it again with a different number.

Amaze your family by trying it on them and predicting their answer!

## Answers

$$\text{A. } \frac{1}{7} + \frac{3}{7} = \frac{4}{7} \text{ (M)}$$

$$\text{B. } 43.34 + 4.894 = 48.234 \text{ (W)}$$

$$\text{C. } 76.4 - 21.2 = 55.2 \text{ (M)}$$

$$\text{D. } 5 \times 6 \times 5 = 150 \text{ (M)}$$

$$\text{E. } 683 \times 7 = 4,781 \text{ (W)}$$

**Q1** Two decimal numbers add together to equal 1.

One of the numbers is 0.007.

What is the other number?

**0.993**

1 mark

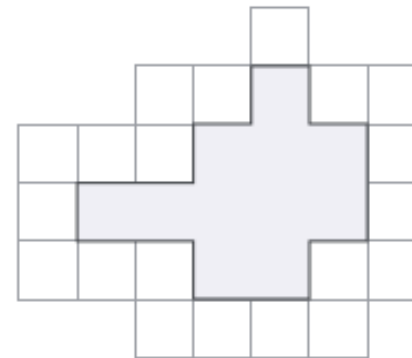
**Q2** Pineapples are delivered to supermarkets in trays of 14.

Save-a-lot supermarket ordered 462 pineapples.

How many trays of pineapples will they receive?

**33** pineapples

**Q3** Here is a set of squares around a shaded space.



What is the area of the shaded space?

**11** squares

1 mark