

Number

Which of the calculations could you use to work out 12 as a percentage of 30?

A) $\frac{12}{100} \times 30$

B) $10\% = 3$
 $1\% = 0.3$
 $1\% = 0.3$
so $12\% = 3.6$

C) $\frac{12}{30} \times 100$

D) $12 \times 100 \div 30$

Number

Algernon has been adding fractions. Which of his sums below are correct?

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

B) $\frac{1}{3} + \frac{1}{2} = \frac{5}{6}$

C) $\frac{3}{4} + \frac{1}{3} = \frac{13}{12}$

D) $\frac{2}{5} + \frac{1}{2} = \frac{2}{10} = \frac{1}{5}$

Number

Calculate the value of 0.2×0.3

A) 0.6

B) 0.06

C) 00.6

D) 0.006

Number

Work out $\frac{2}{3} \times \frac{3}{5}$

Give your answer in its simplest form

A) $\frac{6}{15}$

B) $\frac{19}{15}$

C) $1\frac{4}{15}$

D) $\frac{2}{5}$

Number

Which of the following calculations will tell you the value of 15% of £60?

A) $\frac{15}{60} \times 100$

B) $\frac{60}{100} \times 15$

C) $15 \div 100 \times 60$

D) $10\% = 6$
 $5\% = 3$
so $15\% = 6 + 3 = \text{£}9$

Number

Round 1 812 690 to the nearest hundred thousand

A) 2 000 000

B) 1 812 700

C) 1 810 000

D) 1 800 000

Number

Find $\sqrt{3500}$ and round your answer to three significant figures

A) 59.161

B) 59.2

C) 59.1

D) 59

Number

£700 is divided in the ratio 7:3.

Find the value of the smallest share.

A) £300

B) £490

C) £210

D) £70

Number

$$53 \times 27 = 1431$$

Use this information to find $14.31 \div 0.53$

A) 27

B) 2.7

C) 270

D) 0.27

Number

Beth and Ellie share the profits of an art sale in the ratio 2:3.

Ellie receives £360.

Which calculations will work out what Beth got?

A) $360 \div 5 \times 2$

B) $360 \div 3 \times 2$

C) $360 \times 2 \div 5$

D) $\frac{2}{3} \times 360$

Number

A plane takes 30 minutes to fly 200 miles.
Which calculations could you use to work out
the average speed of the plane in mph?

A) $200 \div 30$

B) $200 \div 0.5$

C) $200 \div 30 \times 60$

D) 200×30

Number

Put these numbers in size order, smallest first
63%, 0.063, 0.6, 6.03

- A) 63%, 0.063, 0.6, 6.03
- B) 0.6, 0.063, 63%, 6.03
- C) 0.063, 0.6, 6.03, 63%
- D) 0.063, 0.6, 63%, 6.03

Number

Work out the number that is half way between -6 and 12 .

- A) 9
- B) -3
- C) 2
- D) 3

Number

Which of the following fractions is not equivalent to two-thirds?

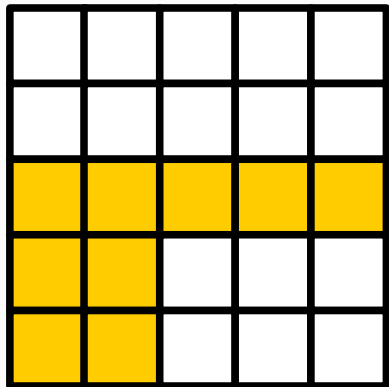
A) $\frac{28}{42}$

B) $\frac{12}{18}$

C) $\frac{9}{12}$

D) $\frac{4}{6}$

Number



How many more squares do I need to shade so that 60% of the shape is shaded?

A) 15

B) $\frac{3}{5}$

C) 6

D) $\frac{6}{25}$

Number

Kamaljit wins £600 in a competition

She gives half to her mum

She donates a third to charity

How much does Kamaljit have left to spend?

A) £100

B) £200

C) $\frac{1}{6}$

D) $\frac{1}{3}$