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HOW TO PLAY

1. The cards form a loop so can be started at any point.
2. Select any card from the pack of trail cards and work out the answer to the question.
3. Write the answer to your first card in any circle on the answer sheet.
4. From the pack of trail cards, select the card with the answer to your first card. This will be your second card.
5. Repeat the process until you have the loop on the answer sheet fully completed.

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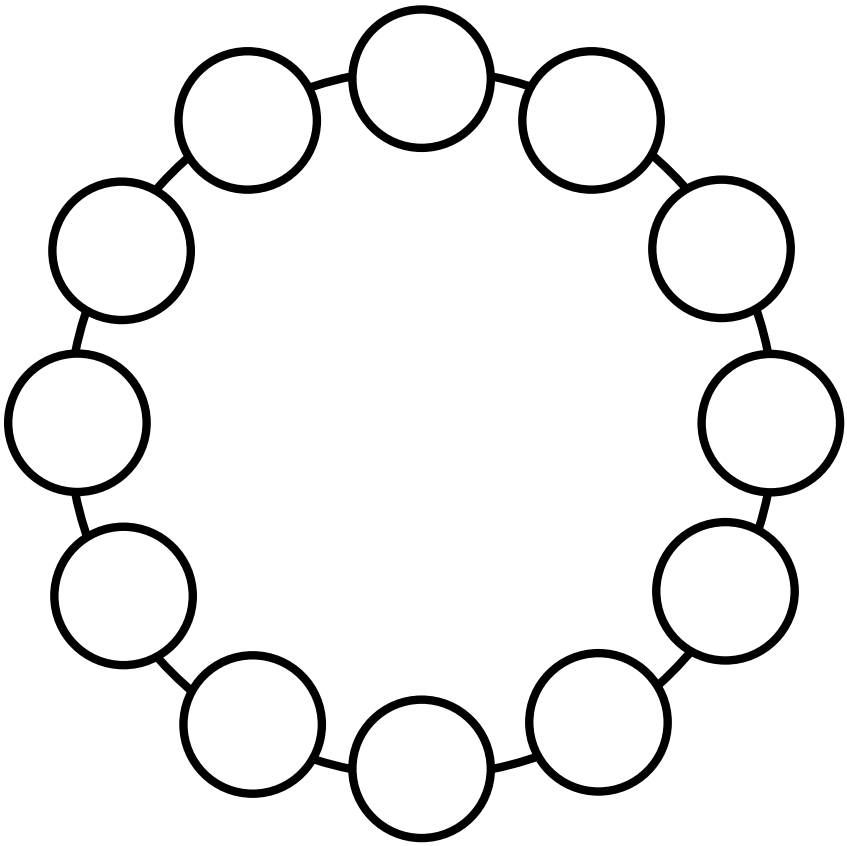
Proportion trail answer sheet



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Answer

6.7

Question

You exchange £60 for €72. How many pounds would you need to exchange to get €180?

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Answer

150

Question

A is inversely proportional to B. If B = 60 when A = 2, what is B when A = 15?

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Answer

8

Question

One cube has sides that are 3 times as long as another cube. How many times bigger is its volume?

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Answer

27

Question

The ratio 4 : 36 can be simplified to 1 : n. What number would n be?

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Answer

9

Question

£500 is divided between Jonathan and Wandia in the ratio 3 : 7. How much, in pounds, does Wandia get?

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Answer

350

Question

What is 24 as a fraction of 36?

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Answer

$$\frac{2}{3}$$

Question

250 apples cost £72.50. How much, in pounds, does one cost?

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Answer

0.29

Question

A cheetah has a top speed of 120km/h. What would this be in m/s to the nearest whole number?

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Answer

33

Question

A box of marbles has lost 15% of its contents. It now contains 340 marbles. How many should it have?

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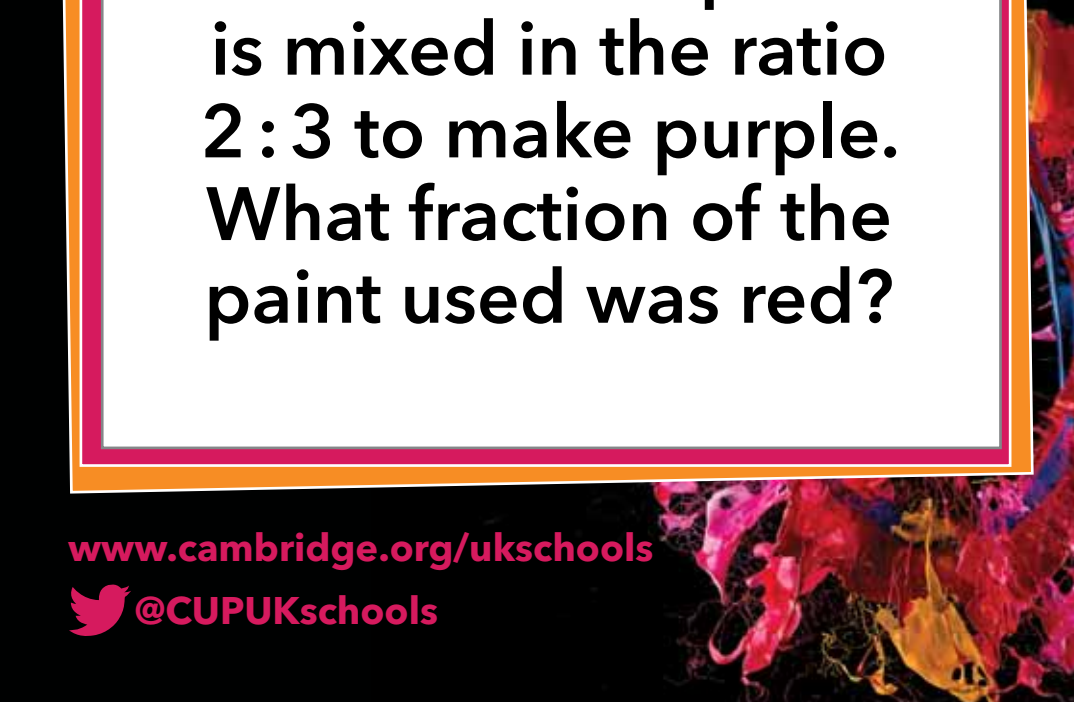
Answer

400

Question

Red and blue paint is mixed in the ratio 2 : 3 to make purple. What fraction of the paint used was red?



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Answer

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

Question

If £150 is invested at an interest rate of 2% per year, how much would it be worth after 5 years to the nearest pound?

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Answer

166

Question

A block has a volume of 345cm^3 and a mass of 2.3kg. What is its density in g/cm^3 to one decimal place?

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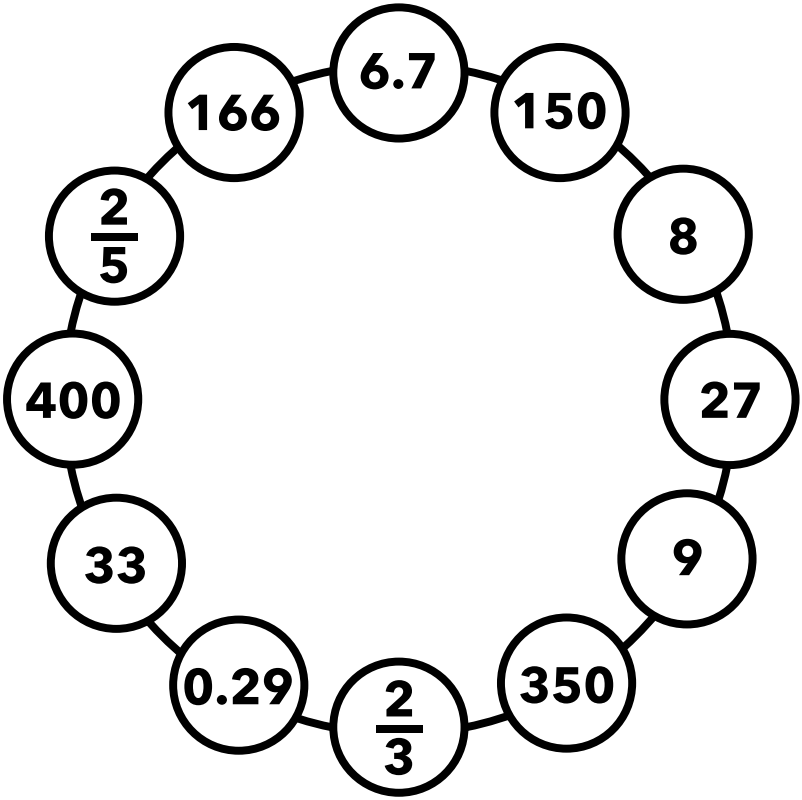
Proportion trail solution



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Bespoke Maths resources created specifically to support the new GCSE curriculum, focusing on:

- Fluency and reasoning
- Problem solving
- Independent learning
- Student progression
- Purpose and relevance

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MATHEMATICS