

Year 6 – Reasoning practice

1) Order the following from smallest to largest:

$$\frac{7}{4}$$

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

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

Smallest

Largest

2) 35% of the 20 children in a class are boys. How many boys are there in the class?

Answer:

4) A small bottle of lemonade is half the size of a large bottle. The small bottle costs 80p and the large bottle costs £1.50.

Amir buys 4 small bottles. How much would he save if he buys the same amount of lemonade in large bottles?

5) In the number 348 902.53, in what places are the digits 3?

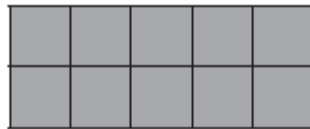
Answer:

Answer:

6) Write the number 532 in Roman numerals:

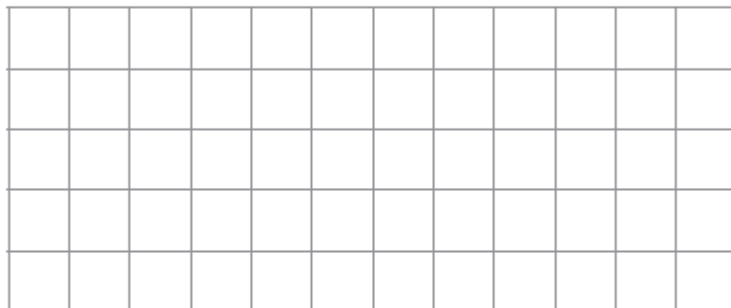
Answer:

12) Here is a rectangle:



A new rectangle is drawn, which is twice the length and twice the width of the original rectangle.

a) Draw the new rectangle:



Jack says that the area of the new rectangle will be twice the area of the original.

b) Explain why Jack is not correct: