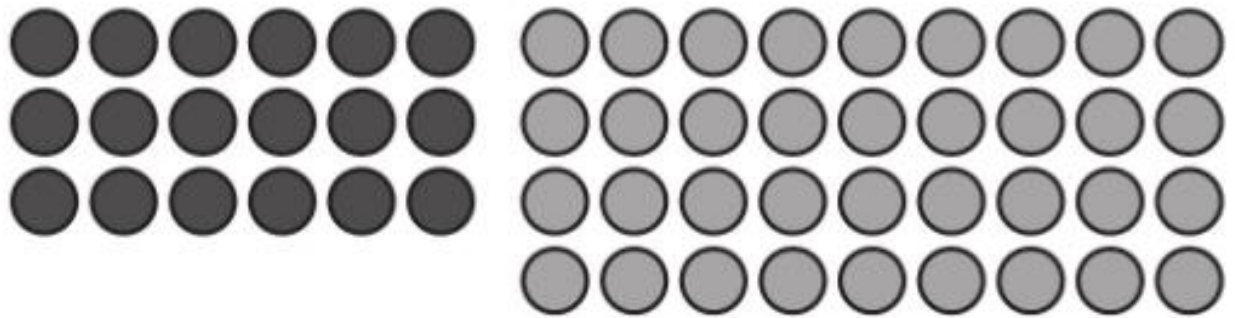


Problem solving – fraction of a quantity 2

- 1 Which is greater $\frac{1}{3}$ of 18, or $\frac{2}{3}$ of 36?

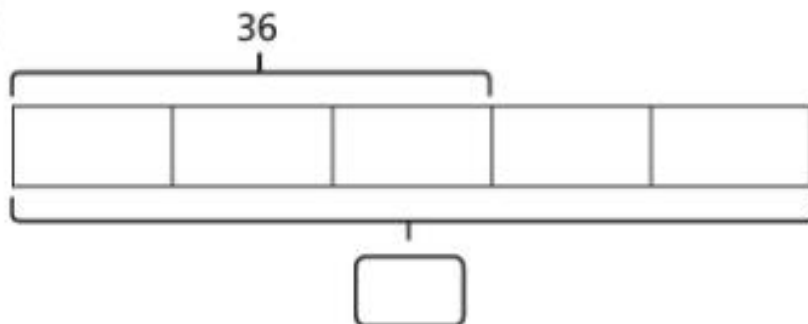


_____ is greater.

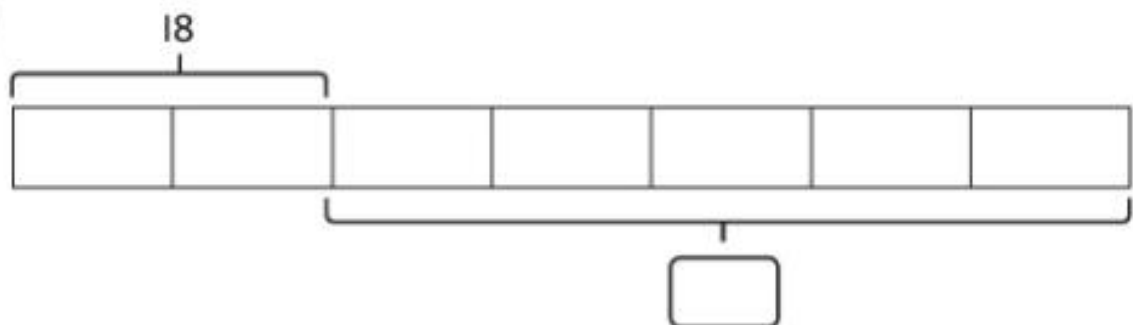


- 2 Work out the missing values in these fraction strips.

a)



b)



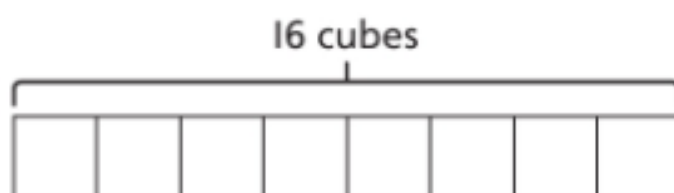
- 3** a) Mary has 16 cubes.

$\frac{1}{8}$ of the cubes are red.

$\frac{3}{8}$ of the cubes are blue.

The rest of the cubes are yellow.

How many of each colour cube are there?



Red = Blue = Yellow =

- b) Gino has 40 pencils.

$\frac{3}{5}$ of the pencils are red.

$\frac{3}{8}$ of the remaining pencils are blue.

The rest are green.

How many of each coloured pencil are there?



Red = Blue = Green =

- 4 Cailyn uses 18 place value counters to make a number.

$\frac{1}{6}$ of the counters are 100s.

$\frac{4}{9}$ of the counters are 10s.

The rest of the counters are 1s.

What number has Cailyn made?

Cailyn has made the number .



- 5 Find the missing numbers.

a) $\frac{3}{5}$ of 40 = $\frac{2}{3}$ of

b) $\frac{3}{5}$ of 40 = $\frac{2}{\text{$ } of 60

CHALLENGE



Reflect

$\frac{2}{3}$ of a number is 18.

Eva thinks that the number is 12 because $18 \div 3 = 6$ and then $6 \times 2 = 12$.

Explain Eva's mistake.



