

Orange questions



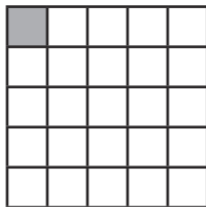
90% $\frac{9}{10}$ 0.9



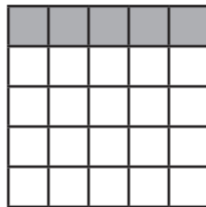
80% $\frac{4}{5}$ 0.8



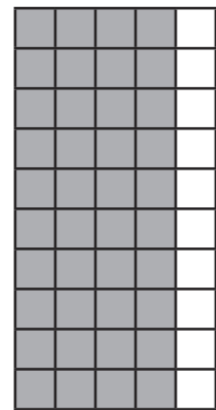
75% $\frac{3}{4}$ 0.75



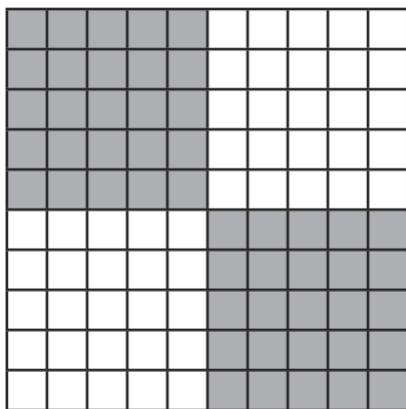
4% $\frac{1}{25}$ 0.04



20% $\frac{1}{5}$ 0.2



80% $\frac{4}{5}$ 0.8



50% $\frac{1}{2}$ 0.5

Red Questions

- Miss McCann carries out a survey. She asked 1000 students all around Kent what their favourite subject is. 700 say it is maths. What fraction, percentage and decimal say their favourite subject is maths?

$$\frac{700}{1000} = \frac{70}{100} = 70\% = 0.7$$

- 2) In a pack of 200 stickers there are 28 gold stickers and 68 silver stickers. How many purple stickers are there? Give your answer as a percentage, decimal and fraction.

$$\frac{104}{200} = \frac{52}{100} = 52\% = 0.52$$

- 3) The attendance at a football game is 93. The stadium can hold 300. What proportion of the stadium has been filled? Give your answer as a percentage, fraction and decimal.

$$\frac{93}{300} = \frac{31}{100} = 31\% = 0.31$$

- 4) Mr Kilby bought a new packet of grass seed. The box said there are 400 seeds inside, however he can only count 320. What percentage, fraction and decimal of the box is missing?

$$\frac{80}{400} = \frac{20}{100} = 20\% = 0.2$$

- 5) In a car park there are 30 black cars, 80 red cars, 40 white cars and 30 blue cars. Silver cars makes up the rest of number. If the car park is full. What fraction, percentage and decimal of the cars in the car park are silver?

$$\frac{20}{200} = \frac{10}{100} = 10\% = 0.1$$

- 6) Only 15/20 students did their homework today, what percentage, fraction and decimal is this?

$$\frac{15}{20} = \frac{75}{100} = 75\% = 0.75$$

Challenge

Three children have each read 360 pages of their own book.

Ron's book has 500 pages.

Dora's book has 400 pages.

Eva's book has 600 pages.

What fraction of their books have they each read?

What percentage of their books have they read?

How much of their books have they each read as a decimal?

Who has read the most of their book?

Ron has read $\frac{360}{500}$,
72% or 0.72

Dora has read $\frac{360}{400}$,
90% or 0.9

Eva has read
 $\frac{360}{600}$, 60% or 0.6

Dora has read the most of her book.