

Year 6 – Maths – Percentages

Key vocabulary

per cent (%) =
'out of 100'

percentage

discount

equivalent fraction

equivalent decimal

convert

compare

order

the whole

Links to other learning

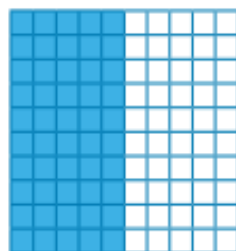
Year 5 - Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per 100', and write percentages as a fraction with denominator 100, and as a decimal fraction.

Key questions

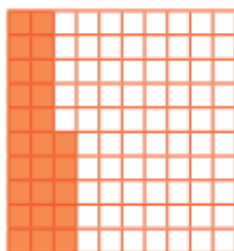
What is $\frac{3}{4}$ as a percentage?
What is 68% as a decimal?
How would you find a percentage of an amount?

Fractions, decimals and percentages

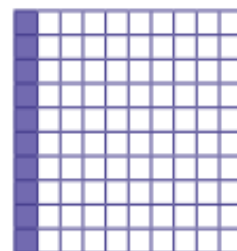
twinkl visit [twinkl.com](https://www.twinkl.com)



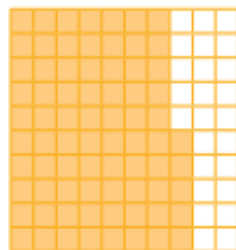
$$\frac{50}{100} = \frac{1}{2} = 0.5 = 50\%$$



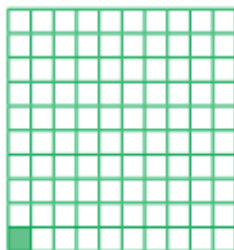
$$\frac{25}{100} = \frac{1}{4} = 0.25 = 25\%$$



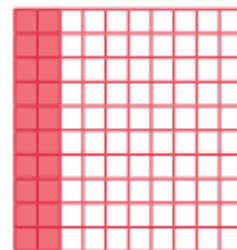
$$\frac{10}{100} = \frac{1}{10} = 0.1 = 10\%$$



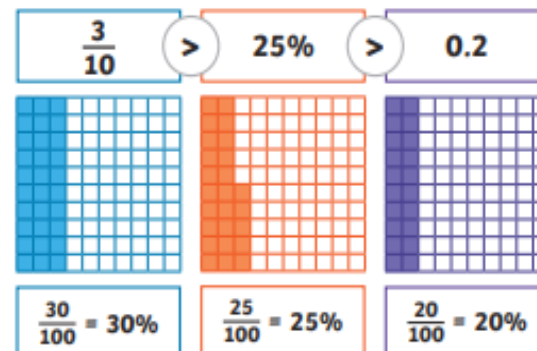
$$\frac{75}{100} = \frac{3}{4} = 0.75 = 75\%$$



$$\frac{1}{100} = 0.01 = 1\%$$



$$\frac{20}{100} = \frac{2}{10} = 0.2 = 20\%$$





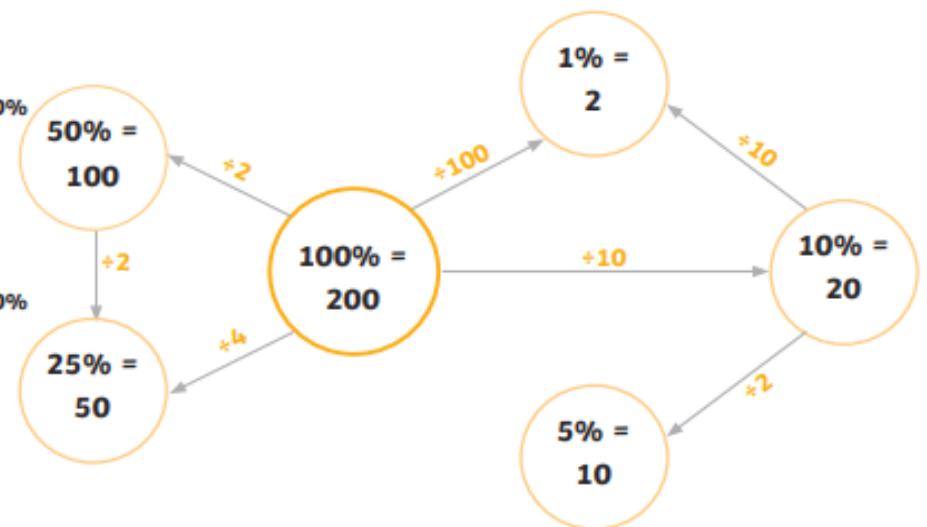
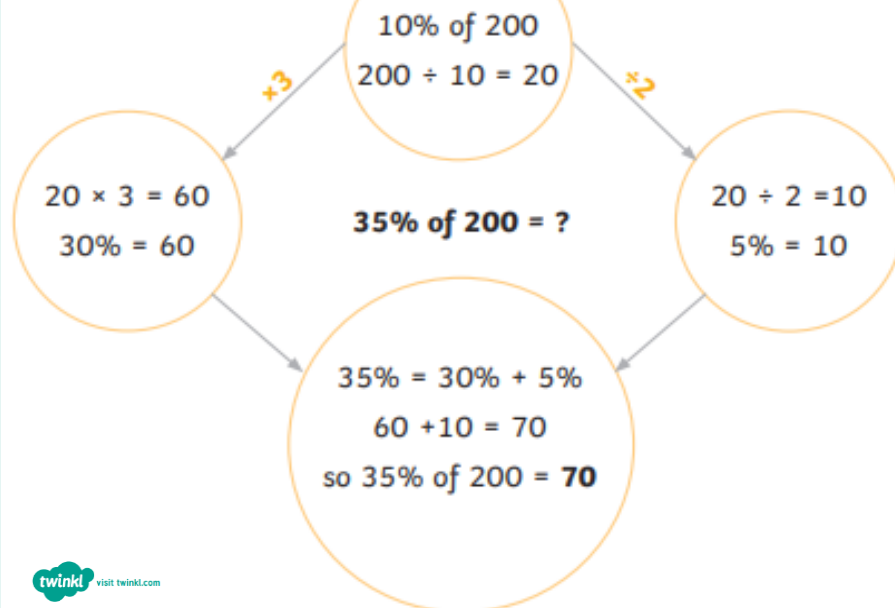
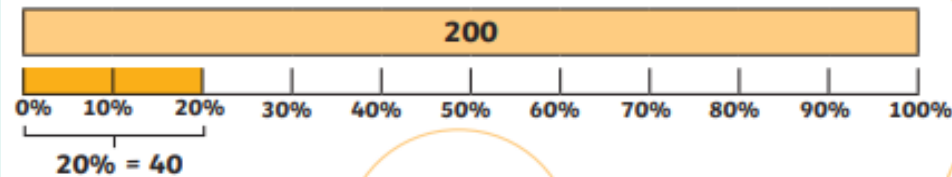
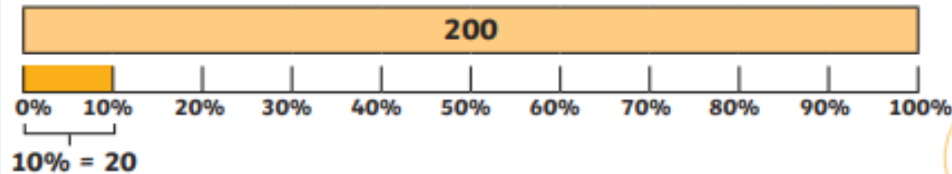
Finding a Percentage of an Amount

$$50\% = \frac{1}{2} \text{ so we can divide by 2}$$

$$10\% = \frac{1}{10} \text{ so we can divide by 10}$$

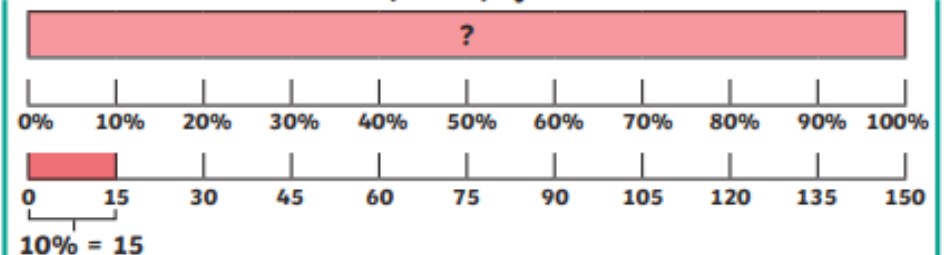
$$25\% = \frac{1}{4} \text{ so we can divide by 4}$$

$$1\% = \frac{1}{100} \text{ so we can divide by 100}$$



Percentages – Missing Values

Whole value (100%) of bar model = ?



We know 10% = 15 $10\% \times 10 = 100\%$ (the whole) so $15 \times 10 = 150$