

Calculating percentages



Find percentages of amounts
Solve problems involving percentages

1 Work out these percentages.

- | | | |
|-------------------------|-------------------------|-------------------------|
| a 50% of 1500 | b 50% of £990 | c 50% of 4600 km |
| d 50% of 780 m | e 25% of 8040 | f 25% of £4480 |
| g 25% of 6500 cm | h 25% of 744 | i 10% of £920 |
| j 10% of 3760 | k 10% of 2370 kg | l 10% of 5480 m |

2 Solve these percentage problems.

- 50% of the class brought packed lunch today and the rest ate school dinner. What fraction ate school dinner?
- 40% of Year 5 want to be in the football team. What per cent do not want to be in the team?
- There are a total of 240 ice creams. Year 5 eat 25% of them, how many are left for the rest of the school?
- Out of 80 questions in the test, I got 60% right. How many questions did I get right?



1 Work out these percentages.

- | | | |
|-------------------------|-------------------------|-------------------------|
| a 50% of £8524 | b 25% of 7360 km | c 10% of 5410 m |
| d 40% of 9540 | e 75% of 8144 g | f 30% of £5720 |
| g 80% of 7550 km | h 25% of 9892 | i 75% of £9944 |
| j 45% of 9060 g | k 55% of 6470 m | l 85% of 2750 ml |

2 Solve these percentage problems.

- There are 170 people living on a street. If 70% of them own a car, how many do not own a car?
- Liam bought a dog for £110. His mum gave him 30% of the money. How much did he have to pay himself?
- I buy 10 ice creams and the price should be £15. When I go to pay, I get a 20% discount. How much do I need to pay?
- 1600 football fans were asked if they thought the team would win or lose. 25% say they think the team will lose. How many think the team will win?



Challenge 3

1 Work out these percentages.

- | | | |
|-------------------------|-------------------------|-----------------------|
| a 35% of 2450 km | b 35% of 5020 g | c 15% of £7630 |
| d 15% of 8220 | e 45% of 8130 km | f 45% of 9760 |
| g 65% of 8490 kg | h 65% of 7550 | i 85% of £8280 |
| j 85% of 9990 | k 15% of 3200 g | l 35% of £4560 |

2 Write some instructions for finding percentages that end in a multiple of 5.

3 The school hall has a new multi-coloured rug, chosen by the head teacher.

- Look at the picture below. What percentage of the rug is each colour?
- If the rug cost a total of £2450, what would each colour have cost?

