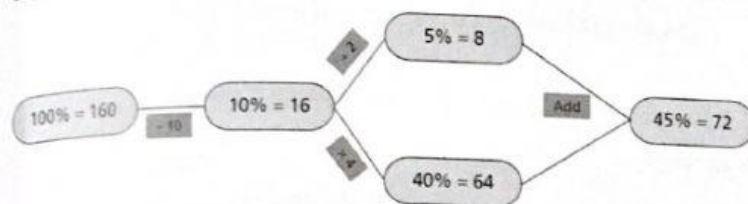


Percentages

Finding a percentage of an amount

Summary of key points

You can find a percentage of a number by breaking the calculation down into steps.



Remember that a percentage represents a number of parts per 100.

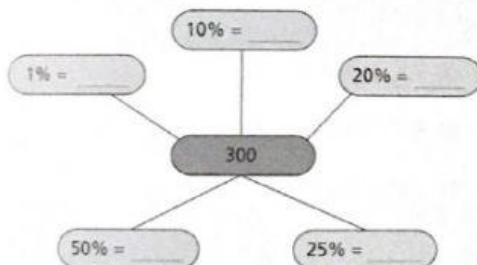
Exercise 1

Do not use a calculator in this exercise.

1 Work out:

- | | |
|-------------------------|-------------------------|
| a) 50% of 40 | d) 20% of 70 cmcm |
| b) 25% of \$24 \$..... | e) 75% of 28 |
| c) 10% of 30 kgkg | f) 5% of 400 mmmm |

2 a) Complete the diagram to show different percentages of 300.



b) Use the diagram to complete the calculations.

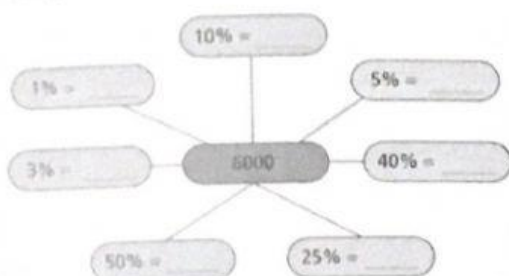
70% of 300 =

45% of 300 =

26% of 300 =

.....% of 300 = 180

- 3 a) Complete the diagram to show percentages of 6000.



- b) Use the diagram to complete the calculations.

15% of 6000 =

8% of 6000 =

65% of 6000 =

.....% of 6000 = 1680

- 4 Match each calculation to its answer.

10% of 320	26
5% of 520	28
60% of 70	30
15% of 200	32
35% of 80	42

- 5 Use the numbers in the box to complete these statements.

	72	153	
195	175	84	120
	140	160	

- a) 15% of 800 = d) 2% of 8000 =
 b) 30% of 240 = e) 85% of 180 =
 c) 35% of 400 = f) 65% of 300 =

- 6 Work out:

- a) 6% of 300 b) 12% of \$4000 c) 7% of 1200 kg d) 34% of 600

.....

- 7 Here is some information about a school.

840 children	60 teachers
50 classrooms	80 doors

- a) 5% of the doors are broken. Find how many broken doors there are.

- b) 15% of the teachers teach Maths. Work out the number of Maths teachers.
- c) 40% of the classrooms are on the first floor. Work out how many classrooms this is.
- d) 55% of the children are girls. Work out how many girls there are.

8 Nadine has \$300.

- a) She spends 20% of the money on a coat. How much does the coat cost? \$.....
- b) She spends 35% of the money she has left on some shoes. How much do the shoes cost? \$.....

9 Use the percentages from the box to complete the calculations.

-% of 80 = 20 % of 120 = 18
-% of 90 = 27 % of 160 = 72

45%	30%
25%	15%

10 Challenge

Use the digits 1, 2, 3, 5 and 6 to complete this statement.

$$\square\square \% \text{ of } 360 = \square\square\square$$