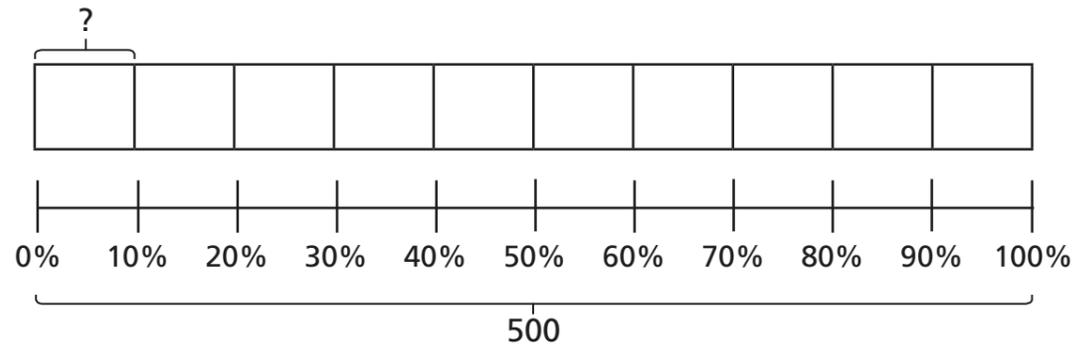


# Percentage of an amount (2)

1 a) Use the bar model to find 10% of 500



10% of 500 =

b) Use your answer to part a) to help you complete the calculations.

20% of 500 =

70% of 500 =

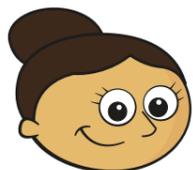
90% of 500 =

60% of 500 =

30% of 500 =

100% of 500 =

2



To find 5% you can find 10% and then halve it.

Use Dora's method to complete the calculations.

a) 5% of 40 =

d) 5% of 2,000 =

b) 5% of 400 =

e) 5% of 6,000 =

c) 5% of 4,000 =

What do you notice about your answers?

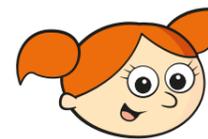
3

Some children are asked to find 75% of 340



I will find 25% and multiply it by 3

a) Use Dexter's method to find 75% of 340



I will find 10% and multiply it by 7, then find 5% and add them together.

b) Use Alex's method to find 75% of 340



I will find 25% and 50% and add them together.

c) Use Amir's method to find 75% of 340

255

d) Are there any other methods you could use?



4 Talk to a partner about different methods for finding these percentages.

20%    90%    60%    15%    55%    40%

Use your preferred method to calculate the percentages.

a) 20% of 1,000 = 200      d) 15% of 1,000 = 150

20% of 550 = 110      15% of 300 = 45

20% of 40 = 8      15% of 30 = 4.5

b) 90% of 1,000 = 900      e) 55% of 1,000 = 550

90% of 4,230 = 3,807      55% of 4,400 = 2,420

90% of 90 = 81      55% of 8 = 4.4

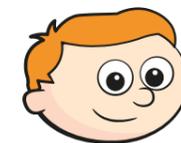
c) 60% of 1,000 = 600      f) 40% of 1,000 = 400

60% of 400 = 240      40% of 400 = 160

60% of 98 = 58.8      40% of 98 = 39.2

5 Ron is calculating these percentages.

10% of 20      20% of 10



20% is double 10%, and 10 is half of 20, so I know these will both have the same answer.

How does Ron know this?

6 a) Complete the calculations.

20% of 40 = 8      25% of 60 = 15

40% of 20 = 8      60% of 25 = 15

b) What do you notice about the answers?

Each column is the same.

c) Does this always happen? Investigate with other examples.

d) Talk about your findings with a partner.