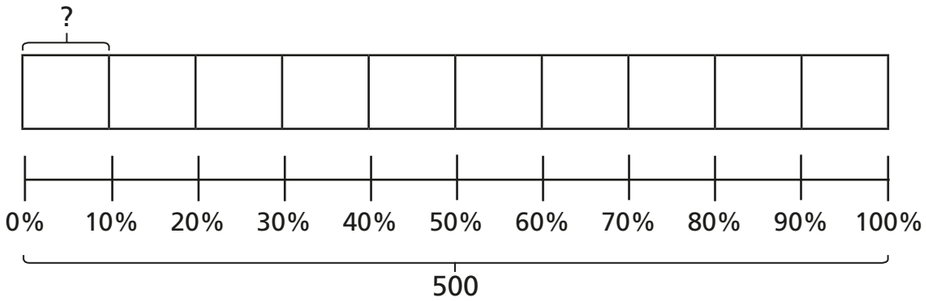
Percentage of an amount (2)

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



10% of 500 = ☐

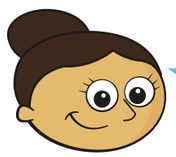
b) Use your answer to part a) to help you complete the calculations.

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 = ☐

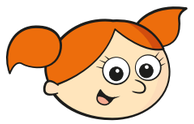
What do you notice about your answers?

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

☐

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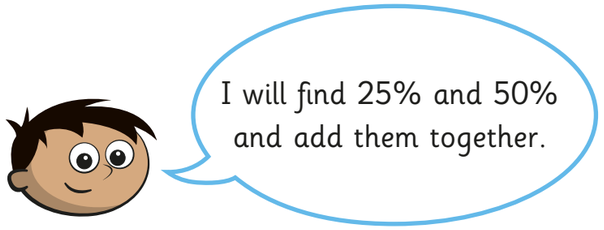


c) Use Amir's method to find 75% of 340

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 =

20% of 550 =

20% of 40 =

b) 90% of 1,000 =

90% of 4,230 =

90% of 90 =

c) 60% of 1,000 =

60% of 400 =

60% of 98 =

d) 15% of 1,000 =

15% of 300 =

15% of 30 =

e) 55% of 1,000 =

55% of 4,400 =

55% of 8 =

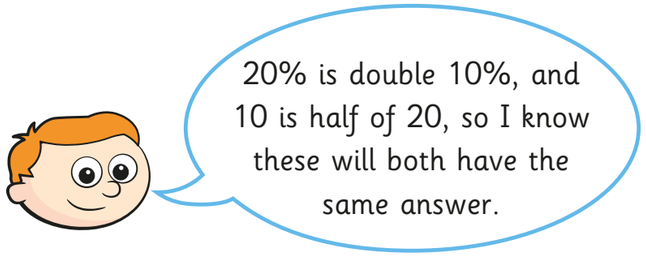
f) 40% of 1,000 =

40% of 400 =

40% of 98 =

5 Ron is calculating these percentages.

10% of 20 20% of 10



How does Ron know this?

6 **a)** Complete the calculations.

20% of 40 = 25% of 60 =

40% of 20 = 60% of 25 =

b) What do you notice about the answers?

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

d) Talk about your findings with a partner.

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