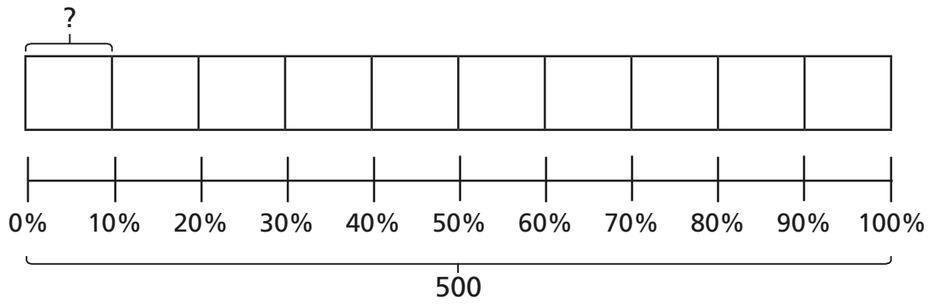
Percentage of an amount (2)

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



10% of 500 = 50

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

20% of 500 = 100

70% of 500 = 350

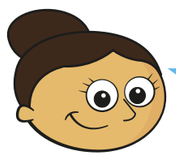
90% of 500 = 450

60% of 500 = 300

30% of 500 = 150

100% of 500 = 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 = 2

b) 5% of 400 = 20

c) 5% of 4,000 = 200

d) 5% of 2,000 = 100

e) 5% of 6,000 = 300

What do you notice about your answers?

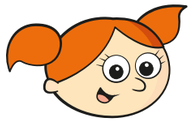
3 Some children are asked to find 75% of 340



I will find 25% and multiply it by 3

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

255

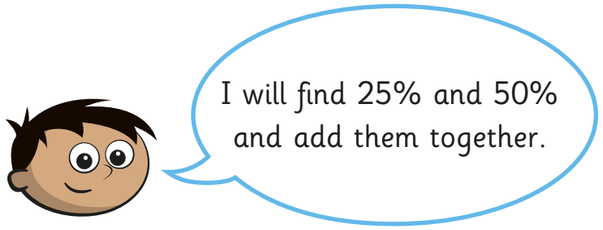


I will find 10% and multiply it by 7, then find 5% and add them together.

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

255

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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

20% of 550 = 110

20% of 40 = 8

b) 90% of 1,000 = 900

90% of 4,230 = 3,807

90% of 90 = 81

c) 60% of 1,000 = 600

60% of 400 = 240

60% of 98 = 58·8

d) 15% of 1,000 = 150

15% of 300 = 45

15% of 30 = 4·5

e) 55% of 1,000 = 550

55% of 4,400 = 2,420

55% of 8 = 4·4

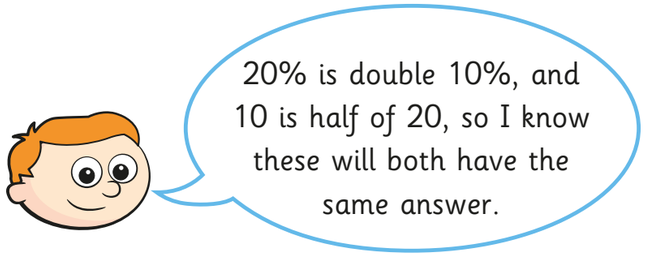
f) 40% of 1,000 = 400

40% of 400 = 160

40% of 98 = 39·2

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 = 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.

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