**Percentage of an amount (2)**

**2**

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

?

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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 =

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

**3** Some children are asked to find 75% of 340

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

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

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I will find 25% and multiply it by 3

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?

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

**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 = **d)** 15% of 1,000 =

20% of 550 = 15% of 300 =

20% of 40 = 15% of 30 =

**b)** 90% of 1,000 = **e)** 55% of 1,000 =

90% of 4,230 = 55% of 4,400 =

90% of 90 = 55% of 8 =

**c)** 60% of 1,000 = **f)** 40% of 1,000 =

60% of 400 = 40% of 400 =

60% of 98 = 40% of 98 =

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

**d)** Are there any other methods you could use?

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

**5** Ron is calculating these percentages.

10% of 20 20% of 10

How does Ron know this?

20% of 40 = 25% of 60 =

40% of 20 = 60% of 25 =

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

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

**6 a)** Complete the calculations.

**b)** What do you notice about the answers?

**d)** Talk about your findings with a partner.