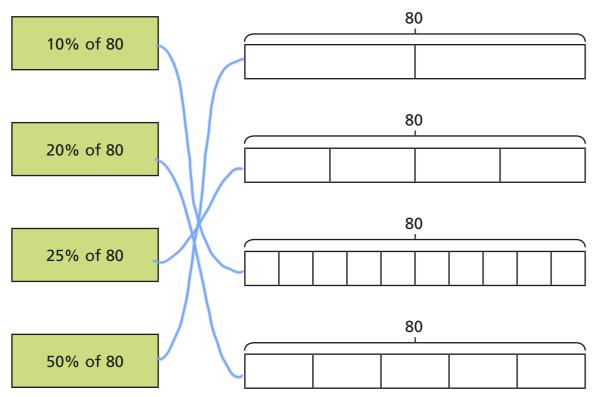
Find a percentage of a given amount using mental methods



Match the percentage calculations to the bar models.



Explain how the models can help with each question.

2

To find 10% of a number you divide by 10, so to find 5% of a number you divide by 5



Is Amir correct? NO

Explain your reasoning.



Complete the calculations.

4

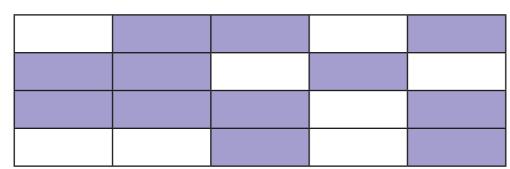


To find 75% of a number, you can work out 25% and multiply this value by 3

How many other ways could you find 75% of a number?







- a) How many more rectangles need to be shaded so that 75% of the shape is shaded?
- 3
- **b)** How many shaded rectangles need to be unshaded so that 50% of the shape is shaded?
- 2
- c) How many more rectangles need to be shaded so that 5% of the shape is not shaded?
- 7

7 Ms Hall has £700 in her bank account.
She spends 45% of her money on rent.
How much money does she have left?

Ms Hall has £ 385 left.

8 Find the missing values.

9 α) Work out 95% of 800

760

- b) What method did you use?
 Could you have used a different method?
- Find the missing numbers in these calculations.

a) 30% of
$$\left| \begin{array}{c} 1 \\ 0 \\ \end{array} \right| = \frac{1}{3}$$
 of 90

d)
$$\frac{1}{5}$$
 of | | | | | = 80% of 36

Find the values of the shapes.