

Percentage of an amount (1)

1 Match the equivalent fractions to the percentages.

$$\frac{1}{2}$$

$$\frac{1}{100}$$

$$\frac{1}{10}$$

$$\frac{1}{4}$$

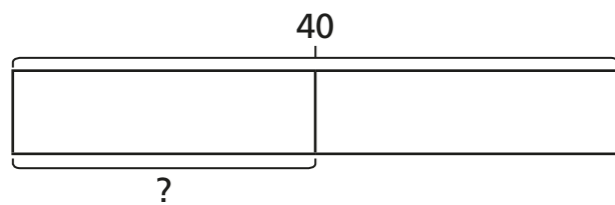
$$25\%$$

$$1\%$$

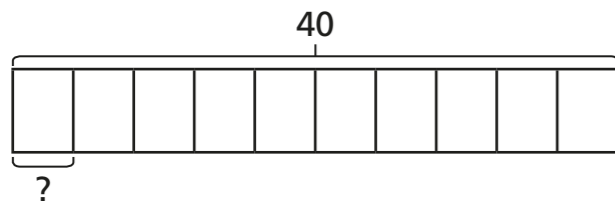
$$50\%$$

$$10\%$$

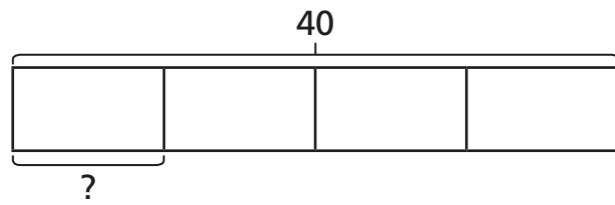
2 Match each bar model to the statement it represents.



$$10\% \text{ of } 40$$



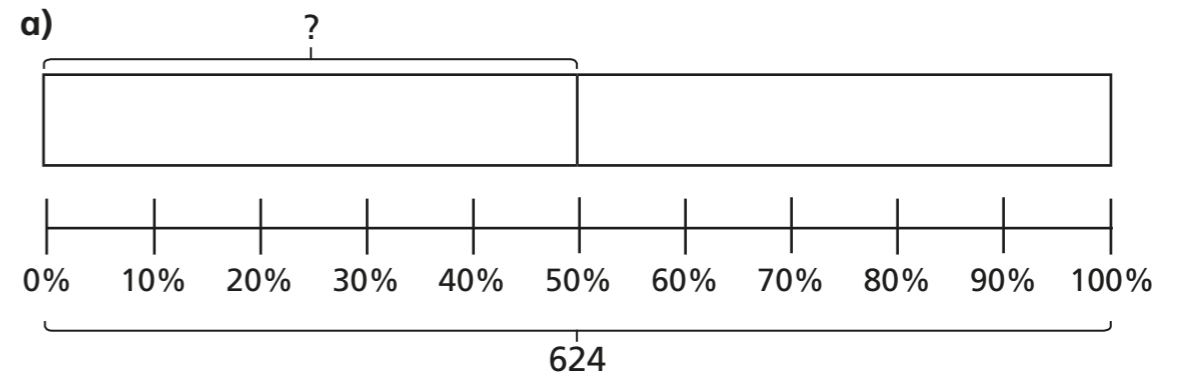
$$25\% \text{ of } 40$$



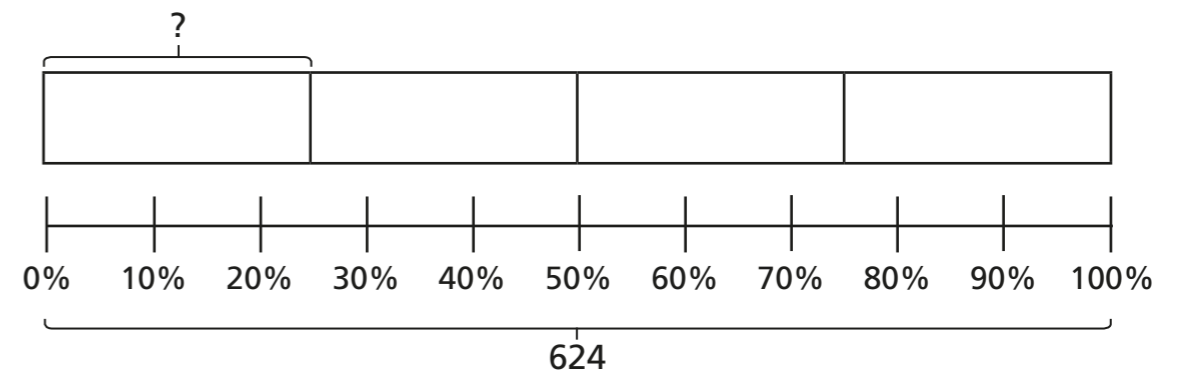
$$50\% \text{ of } 40$$

Compare answers with a partner.

3 Use the bar models to help you complete the calculations.



$$50\% \text{ of } 624 = \square$$



$$25\% \text{ of } 624 = \square$$

What do you notice about your answers?

b) Use bar models to complete the calculations.

$$50\% \text{ of } 3,420 = \square$$

25% of 3,420 =

10% of 3,420 =

4 Complete the calculations.

- | | |
|--|--|
| a) 50% of 3,000 = <input type="text"/> | c) 10% of 3,000 = <input type="text"/> |
| 50% of 1,500 = <input type="text"/> | 10% of 1,500 = <input type="text"/> |
| 50% of 500 = <input type="text"/> | 10% of 500 = <input type="text"/> |
| b) 25% of 3,000 = <input type="text"/> | d) 1% of 3,000 = <input type="text"/> |
| 25% of 1,500 = <input type="text"/> | 1% of 1,500 = <input type="text"/> |
| 25% of 500 = <input type="text"/> | 1% of 500 = <input type="text"/> |

What do you notice about your answers?



5 Workers in a toy factory aim to pack 2,560 boxes each day.
At 10:00 am they have completed 25% of their target.

a) How many boxes have they packed?

By midday they have packed 50% of their target.

At 2:00 pm they have packed another 10% of their target.

b) How many more boxes do they need to pack to meet the daily target?

They need to pack more boxes.

6 Follow the steps to find a way through the maze.

