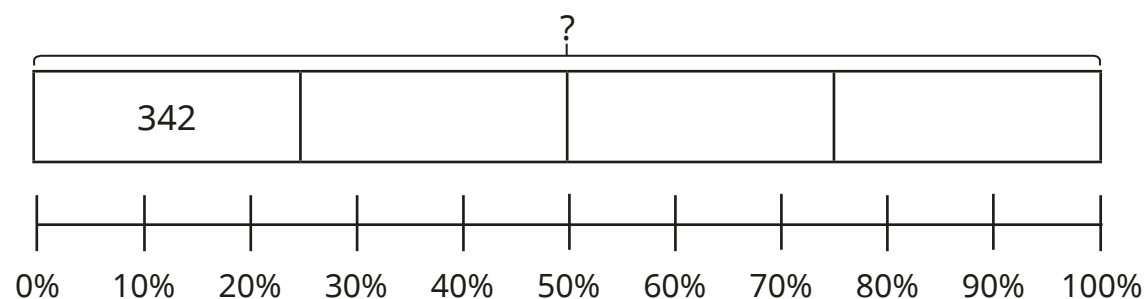


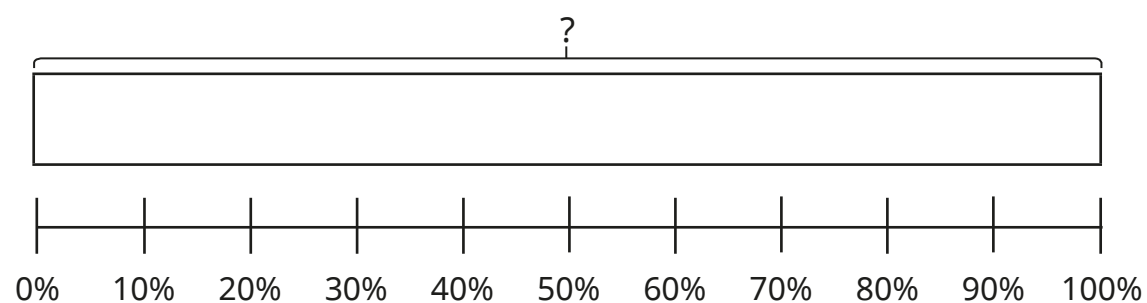
Percentages – missing values

1 Complete the bar models to find the missing numbers.

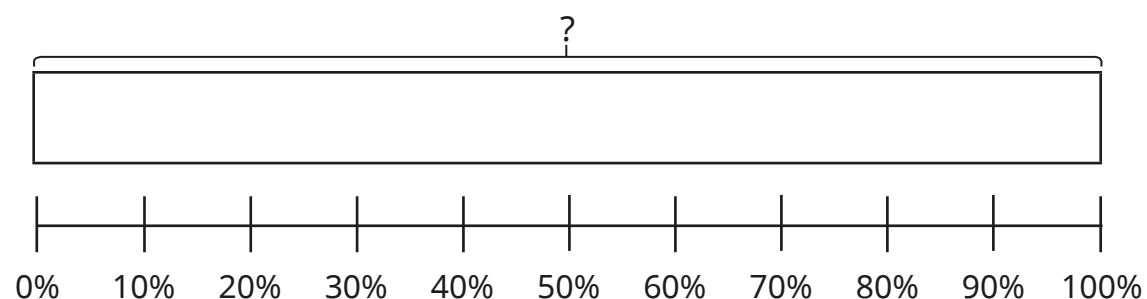
a) 25% of = 342



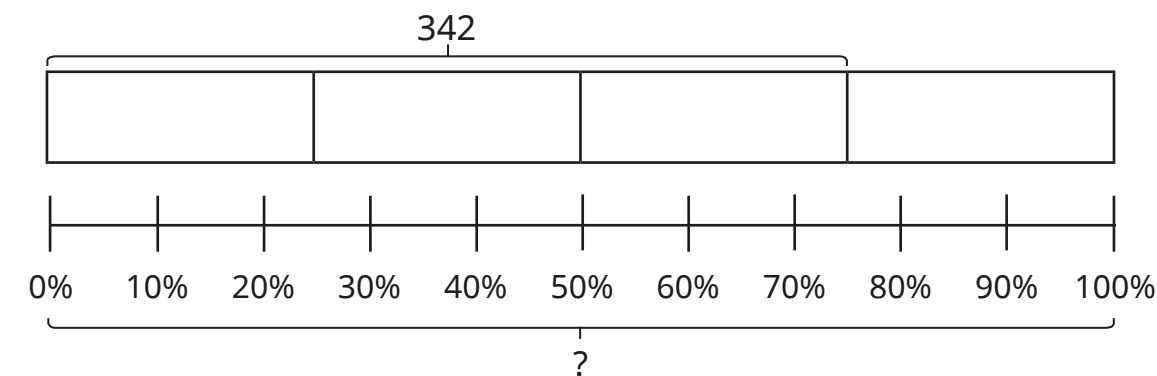
b) 10% of = 342



c) 50% of = 342



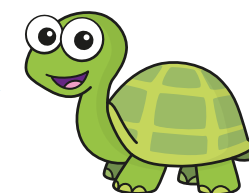
d) 75% of = 342



2 Tiny is finding the missing number.

10% of = 200

I know that
to find 10% I have to
divide by 10, so the
answer is 20



a) What mistake has Tiny made?

b) Draw a bar model to help Tiny find the correct answer.

c) What is the correct answer?



- 3** 40% of the children in a school are boys.
There are 188 boys in total.
The rest are girls.
- a)** How many children are there altogether?

- b)** How many girls are there?

- 4** Complete the calculations.
- a)** 20% of = 30
20% of = 60
- b)** 10% of = 40
10% of = 20
- c)** % of 400 = 100
 % of 300 = 225
- d)** 80% of = 32
 % of 32 = 8

- 5** The table shows the number of people who visited a cinema over four days.

| Day | Percentage of total visitors | Number of visitors |
|----------|------------------------------|--------------------|
| Thursday | 10% | |
| Friday | | 448 |
| Saturday | 45% | |
| Sunday | | |
| Total | | 2,240 |

- a)** Fill in the missing information.

- b)** How many more people went to the cinema on Saturday than on Sunday?

- c)** 60% of the visitors were children.
How many children went to the cinema?

- 6** Find three different solutions to make the statement correct.

$$10\% \text{ of } \triangle = \star \% \text{ of } 50$$

| \triangle | \star |
|-------------|---------|
| | |
| | |
| | |

What do you notice about your answers?
Talk about it with a partner.