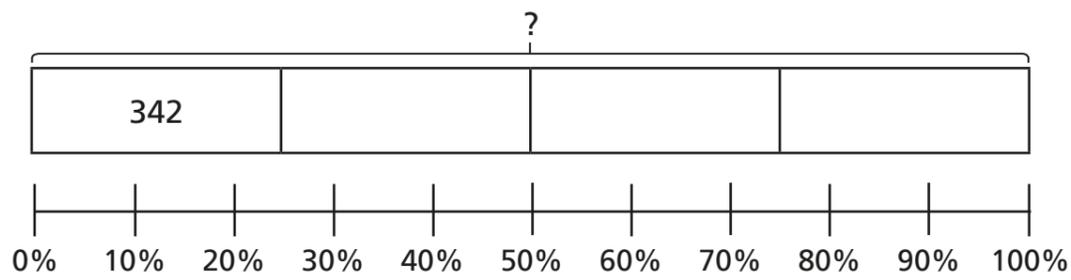# Percentages – missing values

1 Complete the bar models to find the missing numbers.
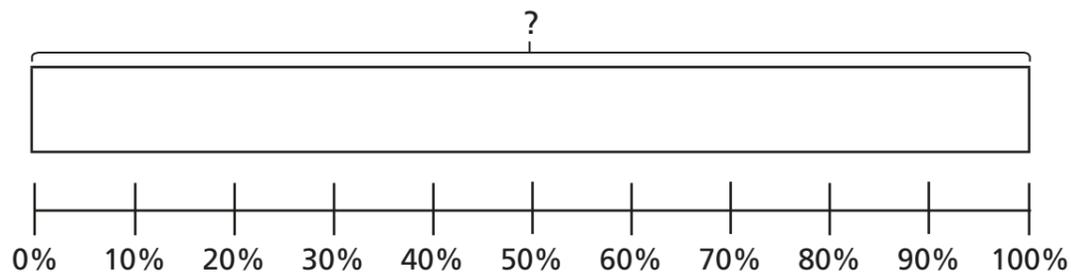
a) 25% of [　　　　] = 342

?

342			

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

b) 10% of [　　　　] = 342

?

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

c) 50% of [　　　　] = 342

?

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

d) 75% of [　　　　] = 342

342

0%　10%　20%　30%　40%　50%　60%　70%　80%　90%　100%
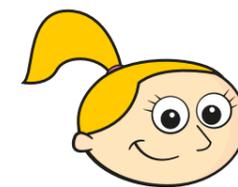
?
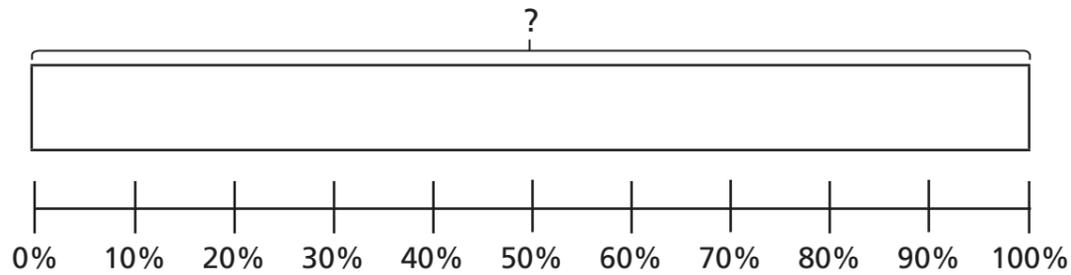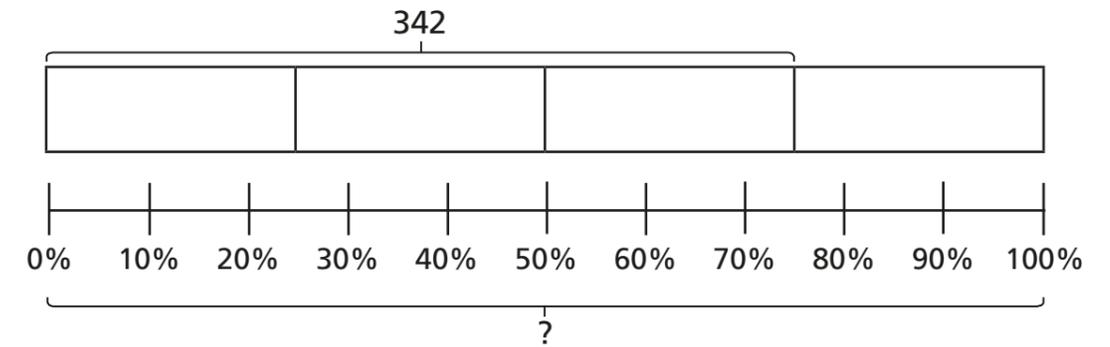
2 40% of the children in a school are boys.

There are 188 boys in total.

a) How many children are there altogether?

b) How many girls are there?

3 10% of [　　　　] = 200

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

a) What mistake has Eva made?

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

c) What is the correct answer?

---

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.

a) Fill in the missing information.

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

b) How many more people went to the cinema on Saturday than 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% of 🔺 = ⭐ % of 50

🔺	⭐

What do you notice about your answers?

Talk about it with a partner.