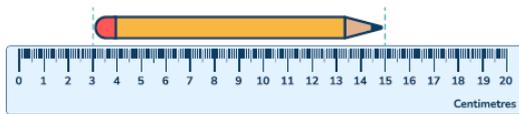# Year 3 Mathematics Homework – Length and Perimeter

Tick your answer to each question, like in the example below. You can use any space left below or around a question for your working out, if you need it.
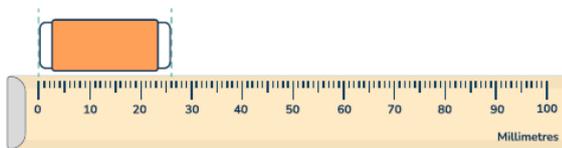
Example Question

435 + 376

a ☐ 701

b ☑ 811

c ☐ 821

d ☐ 141

---

1 How long is the pencil?

a ☐ 12cm

b ☐ 15cm

c ☐ 13cm

d ☐ You cannot calculate the length of the pencil.

---

2 Write 572cm in metres and centimetres.

a ☐ 57m and 2cm

b ☐ 5m and 72cm

c ☐ 572m

d ☐ 0m and 572cm

---

3 364cm + 2m and 93cm =

a ☐ 657cm

b ☐ 557cm

c ☐ 38m and 97cm

d ☐ 6m 47cm

---

4 What is the 'perimeter' of a shape?

a ☐ Perimeter is the total of the length and the width of a shape.

b ☐ Perimeter is the distance from one end of a shape to the other.

c ☐ Perimeter is the distance all around the shape.

d ☐ Perimeter is the space inside a shape.

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5 How long is the rubber?

a ☐ 2mm

b ☐ 26mm

c ☐ 20mm

d ☐ 25mm

---

6 A ribbon is 2m long.
Hugh cuts off 38cm.
How much ribbon is left?

a ☐ 62cm

b ☐ 2m and 38cm

c ☐ 1m 72cm

d ☐ 162cm

---

7 Calculate the perimeter of the rectangle.
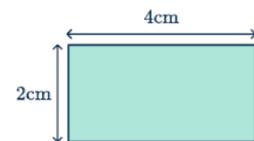
a ☐ 12cm

b ☐ 6cm

c ☐ 8cm

d ☐ 10cm

---

8 Which of these lines is 4cm and 5mm long?

a

b

c
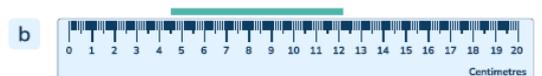
d ☐ None of the above.

9 Jamie is measuring his maths book.

He says it is 18 long but does not give the unit of measure.

Which measurement is the most likely for the length of a maths book?
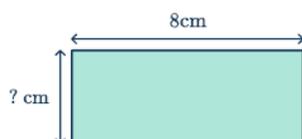
a ☐ 18m

b ☐ 18mm

c ☐ 18cm

d ☐ 1cm and 8mm

10 Which symbol can be used to compare the lengths?

7cm ☐ 7mm

a ☐ <

b ☐ >

c ☐ =

d ☐ They cannot be compared as they use different units of measure.

11 Calculate the perimeter of the triangle.

32mm, 54mm, 43mm

a ☐ 130mm

b ☐ 97mm

c ☐ 75mm

d ☐ 129mm

12 Write 5cm and 3mm in millimetres.

a ☐ 530mm

b ☐ 503mm

c ☐ 8mm

d ☐ 53mm

13 Four children are measuring the perimeter of different 2-D shapes.
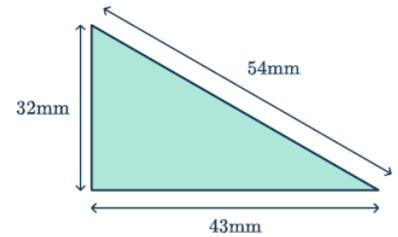
One of them has made a mistake.

Who has made a mistake?

a ☐ Ali says: "I am going to measure all four sides of my rectangle and then add them together. Perimeter is the total of all the side lengths."

b ☐ Ben says: "I am going to measure from one end of my rectangle to the other. That is the perimeter"

c ☐ Chloe says: "Perimeter is the distance around a shape, so I am going to measure around my shape with a tape measure."

d ☐ Dylan says: "I am measuring the perimeter of a pentagon, so I will need to measure 5 sides."

14 The perimeter of the shape is 24cm.

What is the length of the unknown side?

8cm
? cm

a ☐ 3cm

b ☐ 4cm

c ☐ 16cm

d ☐ 8cm

15 Order the lengths starting with the greatest length.

9m, 9cm, 90cm, 9mm

a ☐ 9m, 9cm, 90cm, 9mm

b ☐ 9mm, 9cm, 90cm, 9m

c ☐ 9m, 90cm, 9cm, 9mm

d ☐ 90cm, 9m, 9cm, 9mm