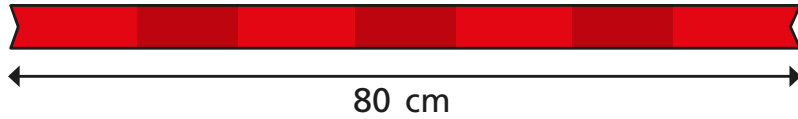# Problem solving with length

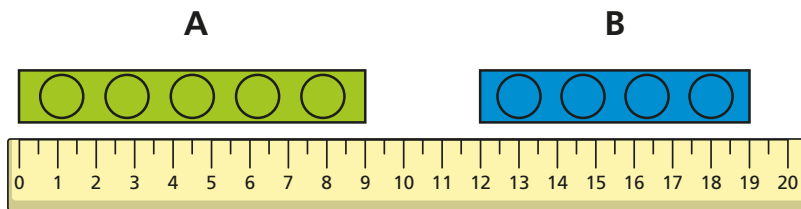**1** Annie has a piece of ribbon 80 cm long.

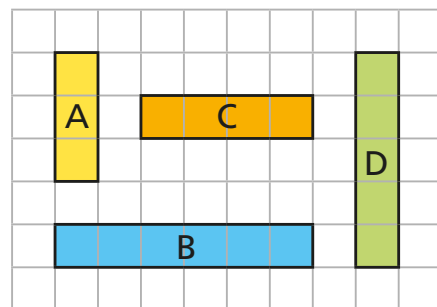80 cm

She cuts the ribbon into two pieces.

50 cm

The longer piece is 50 cm long.

How long is the shorter piece?

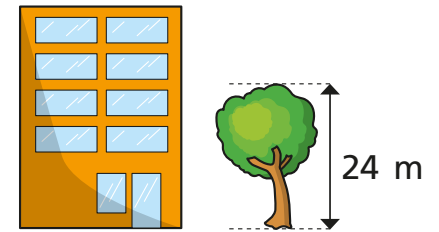**2** Kim measures the length of two bricks.

A   **B**

How much longer is brick A than brick B?
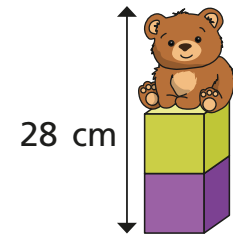
3 Here are four shaded bars.

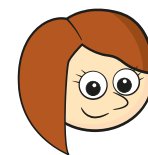Put the bars in order of length from shortest to longest.

4 The tree is 18 m shorter than the building.

What is the total height of the tree and the building?

24 m

5 A teddy sits on top of two cubes.

Each cube is the same height.

The teddy is 12 cm tall.

How tall is each cube?

28 cm

6 Two strips of paper are put side by side.

The longer strip is 14 cm long.

Do you agree with Rosie?

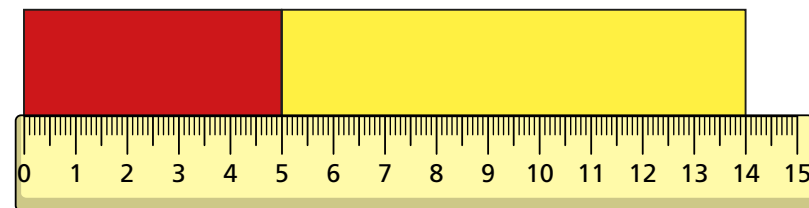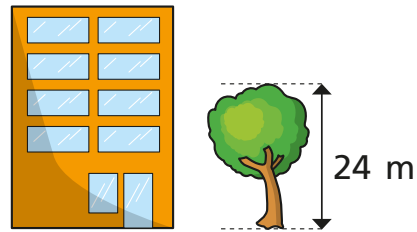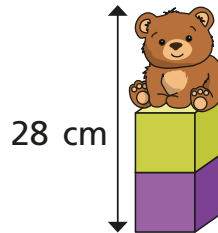Talk about it with a partner.
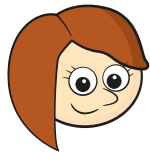
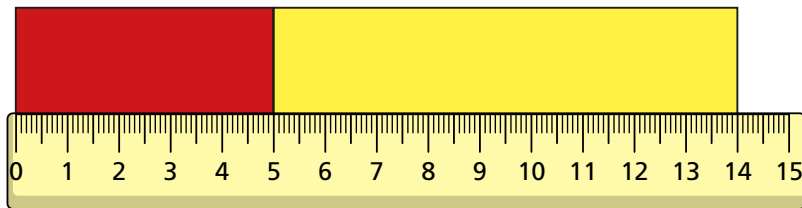**4** The tree is 18 m shorter than the building.

What is the total height of the tree and the building?

24 m

5 A teddy sits on top of two cubes.

Each cube is the same height.
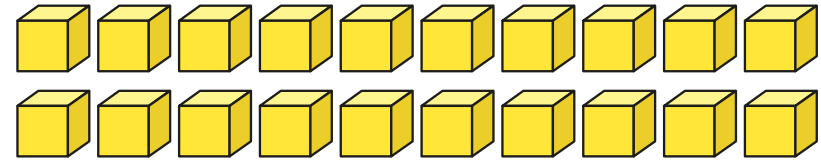
The teddy is 12 cm tall.

How tall is each cube?

28 cm

6 Two strips of paper are put side by side.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
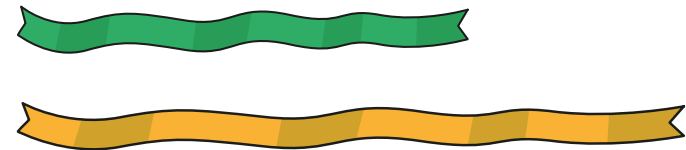
The longer strip is 14 cm long.

Do you agree with Rosie?

Talk about it with a partner.

7 Ron has 20 cubes.

He uses all the cubes to make 5 equal towers.

Each cube is 3 cm tall.

How tall is each tower?

How did you solve this problem?

8 Here are two pieces of ribbon.

The total length of the two pieces is 1 m.

One of the pieces is 38 cm.

How long is the other piece?