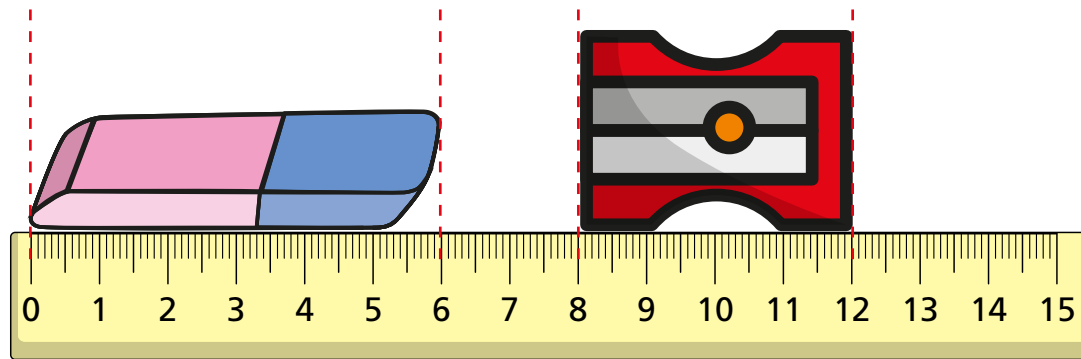


Compare lengths

1 Write $<$, $>$ or $=$ to compare the statements.



Complete the sentences.

shorter

longer

The rubber is longer than the sharpener.

The sharpener is shorter than the rubber.

2 Write $<$, $>$ or $=$ to compare the statements.

a) 9 cm $<$ 23 cm

b) fifty metres $=$ 50 m

c) one metre $>$ 1 cm

3 Write digits in the boxes to make the statements correct. e.g.

a) $\boxed{40}$ cm $<$ 41 cm

b) 14 m $<$ $\boxed{15}$ m

c) 14 cm $>$ $\boxed{10}$ cm

d) 12 m $<$ $\boxed{17}$ m $<$ 20 m

Is there more than one answer for each?

4 Would you measure each one using centimetres or metres?

Tick your answer.

centimetres metres

a) the height of a baby centimetres metres

b) the length of a pencil centimetres metres

c) the height of a school centimetres metres

d) the height of your teacher centimetres metres

What else would you measure in metres?

5 Write $<$, $>$ or $=$ to compare the statements.

a) $39 \text{ cm} + 9 \text{ cm}$ $>$ 47 cm

b) $22 \text{ m} - 6 \text{ m}$ $>$ $0 \text{ m} + 15 \text{ m}$

c) $4 \text{ cm} + 13 \text{ cm}$ $=$ $20 \text{ m} - 3 \text{ m}$

6

$5 \text{ m} = 5 \text{ cm}$

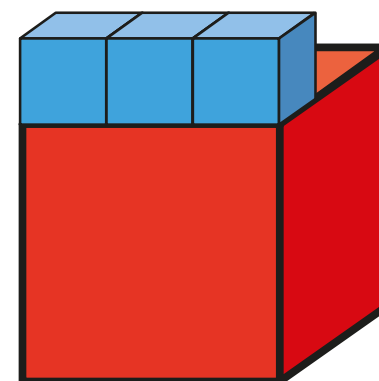
a) Why is the statement wrong?

Talk about it with a partner

b) Write $<$ or $>$ to correct the mistake.

5 m $>$ 5 cm

6 One large cube is three times as long as one small cube.



One small cube is 5 cm long.

a) How long are 2 small cubes?

10 cm

b) How long are 10 small cubes?

50 cm

c) How long is 1 large cube?

15 cm

d) How long are 2 large cubes?

30 cm

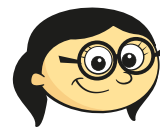
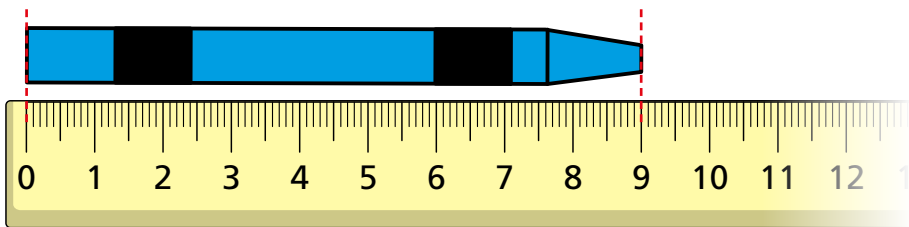


Order lengths

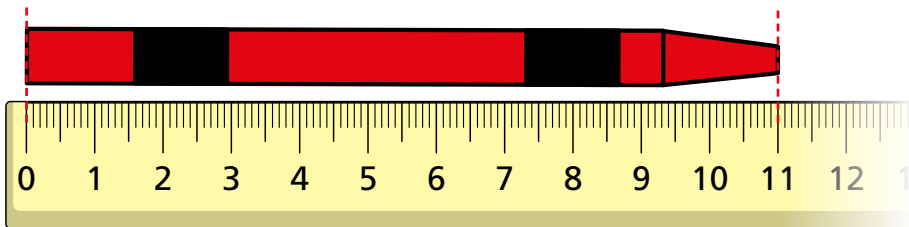
1 Ron, Annie and Mo each have a crayon.
They are measuring the length of their crayons.



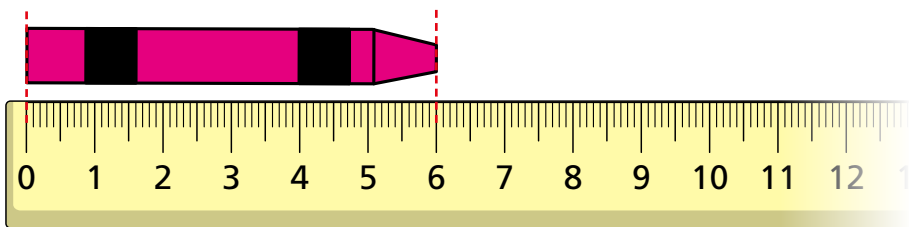
Ron



Annie



Mo

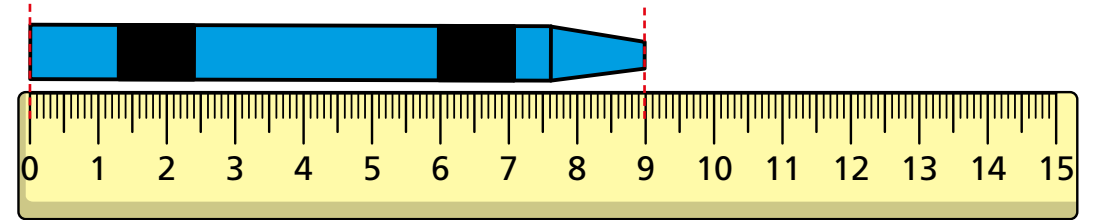


a) Who has the shortest crayon? Mo

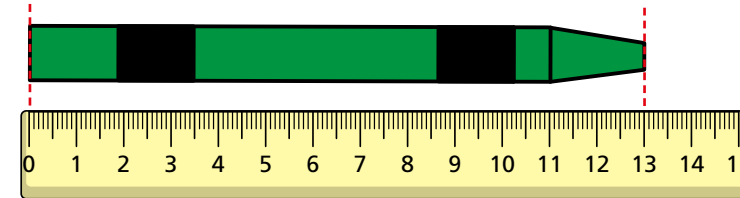
b) Who has the longest crayon? Annie

2 Ron compares the length of his crayon with Dora and Whitney's crayons.

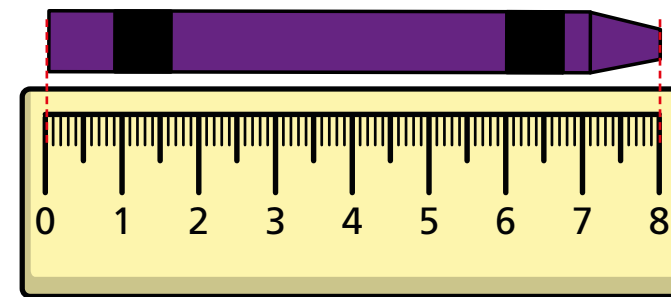
Ron



Dora



Whitney



a) How long is Dora's crayon?

13 cm

b)



I have the longest crayon because my crayon goes all the way to the last number on my ruler.

Why is Whitney wrong?



3 Choose five objects from your classroom.

- How could you estimate which will be the longest?
- Use a ruler to measure the length of the objects to the nearest centimetre.

Complete the table.

Object	Length
	cm
	cm
	cm
	cm
	cm

- Write your objects in order of length.
Start with the shortest object.

shortest _____

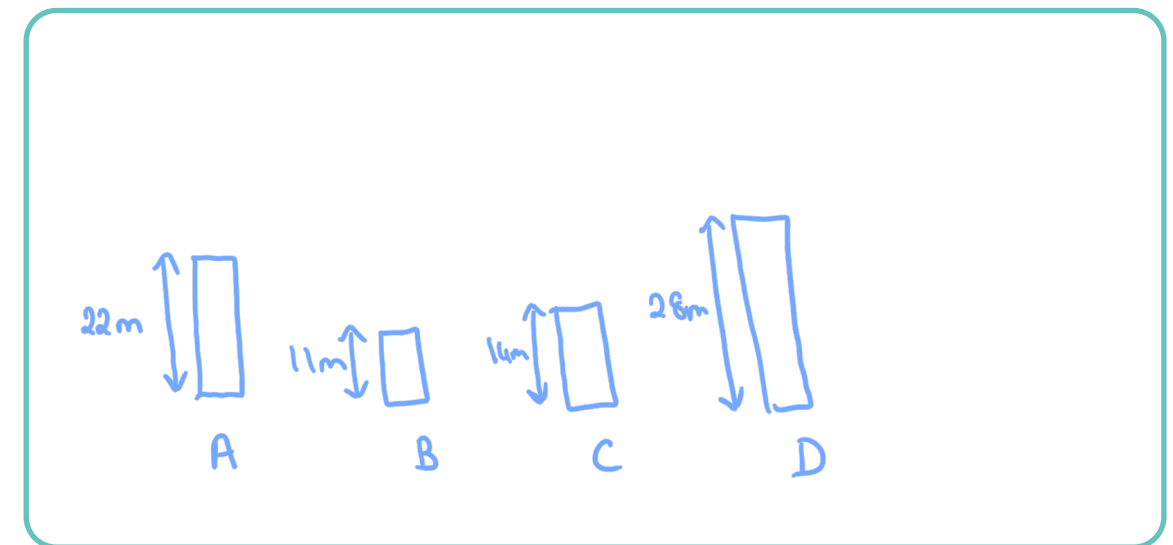
longest _____

4 There are four buildings.

- Building A is 22 m tall.
- Building B is half the height of building A.
- Building C is 14 m tall.
- Building D is double the height of building C.

Put the buildings in order from tallest to shortest.

Draw a picture to help.



tallest Building D

Building A

Building C

shortest Building B



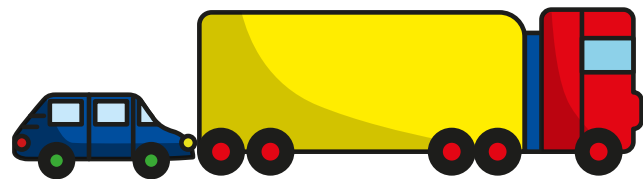
Four operations with lengths

- 1 Eva has a toy car and a toy truck.
The toy car is 12 cm long.
The toy truck is 7 cm longer than the toy car.

a) How long is the toy truck?

19 cm

b) What is the total length of both toys together?

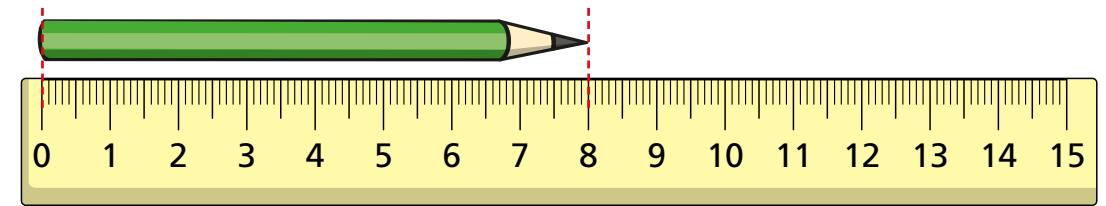


31 cm

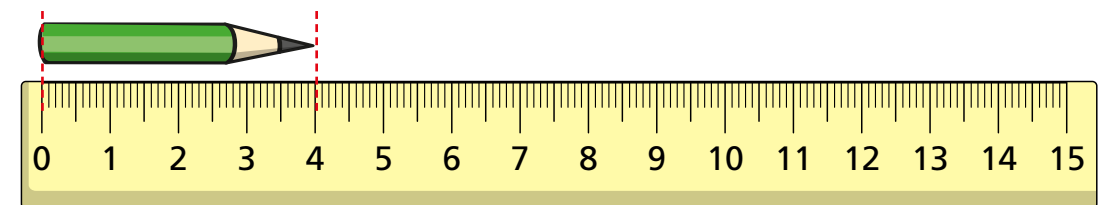


- 2 Mo measures his pencil at the start of Year 2, halfway through Year 2 and at the end of Year 2

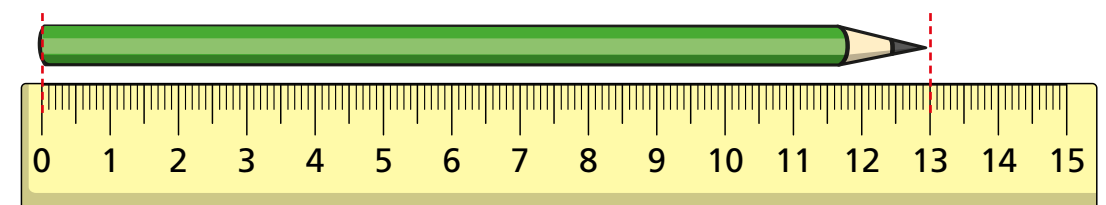
A



B



C



a) Which picture (A, B or C) shows the pencil at the start of Year 2?

Picture C

How do you know?

b) What is the difference between the longest and shortest length?

9 cm



- 3 Jack, Teddy and Aisha buy cards for Dora's birthday.



- Teddy's card is 12 cm high.
- Jack's card is half the height of Teddy's card.
- Aisha's card is 3 cm taller than Teddy's card.

a) What is the height of Jack's card?

6 cm

b) What is the height of Aisha's card?

15 cm

c) What is the difference in height between Jack's card and Aisha's card?

9 cm



- 4 Kim is 87 cm tall and Huan is 78 cm tall.
Kim is taller than Brett.

Huan is shorter than Brett.

Circle all the heights that Brett could be.

80 cm 87 cm 78 cm 86 cm

- 5 The Year 2 classroom is 13 m long.
The Year 3 classroom is 8 m longer than the Year 2 classroom.

a) How long is the Year 3 classroom?

21 m

b) The Year 4 classroom is 3 m shorter than the Year 2 and Year 3 classrooms together.
How long is the Year 4 classroom?

31 m



Problem Solving



Your turn



1 Complete the calculations.

$$\text{Yellow Circle} - \text{Green Triangle} = 2$$

$$\text{Yellow Circle} + \text{Yellow Circle} = 10$$

$$\text{Red Square} + \text{Yellow Circle} + \text{Green Triangle} = 12$$

$$\text{Green Triangle} + \text{Red Square} = 7$$

2 An apple and banana cost the same as a pineapple.

Two pears cost 40p.

Bananas cost the same as pears.

An apple costs 3p less than a pear.

What is the cost of a pineapple? 37p

Modelled solutions are on the video

Problem Solving



Your turn



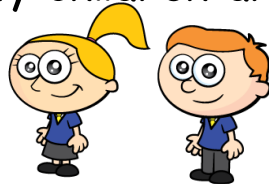
3 Ron and Eva are standing in a line of children.

Ron is the 2nd person from the front of the line.

Eva is the 2nd person from the back of the line.

There are 2 people between them.

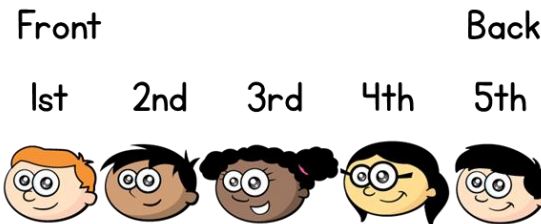
How many children are in the line?



6 children

4 Use the information to put the children in the correct order.

- Ron is in front of Amir.
- Whitney is 3rd from the back.
- Amir is 2nd from the front.
- There are three children between Ron and Dexter.



Modelled solutions are on the video