

Lesson 1

Measure length (cm)



- 1 How long is the pen to the nearest centimetre?



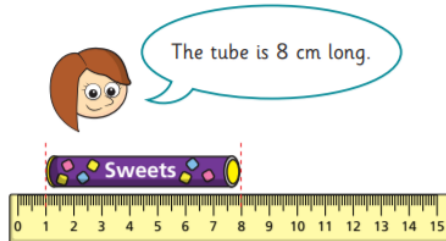
The pen is cm long.

- 2 How tall is the doll to the nearest centimetre?



cm

- 5 Rosie measures the length of a tube of sweets.



- a) Do you agree with Rosie? _____
Talk about it with a partner.
- b) How long is the tube to the nearest centimetre?

cm

- 6 You cannot use a ruler to measure the line.



Why not? How could you measure it?

- 3 Use a ruler to draw the lines.

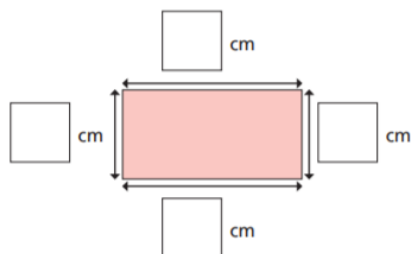
a) 12 cm long

b) 7 cm long

c) 8 cm long

- 4 How long is each side to the nearest centimetre?

Measure and label the rectangle.



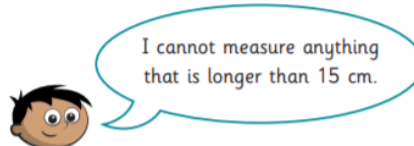
© White Rose Maths 2019

- 7 a) Draw a line that is between 6 cm and 9 cm long.

b) How long is your line to the nearest centimetre?

cm

- 8 Amir has a 15 cm ruler.



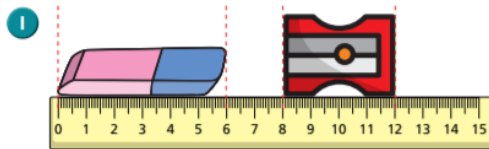
Is Amir correct? _____

How could he measure an object longer than 15 cm?

Talk to a partner.

Lesson 2

Compare lengths



Choose a word to complete the sentences.

shorter

longer

The rubber is _____ than the sharpener.

The sharpener is _____ 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

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

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

a) cm $<$ 41 cm

b) 14 m $<$ m

c) 14 cm $>$ cm

d) 12 m $<$ 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 ☐ ☐

b) the length of a pencil ☐ ☐

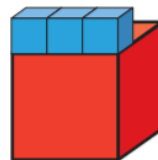
c) the height of a school ☐ ☐

d) the height of your teacher ☐ ☐

What else would you measure in metres?

© White Rose Maths 2019

7 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?

cm

b) How long are 10 small cubes?

cm

c) How long is 1 large cube?

cm

d) How long are 2 large cubes?

cm

Lesson 3

Four operations with lengths

White
Rose
Maths

- 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?

 cm

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


 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?

 cm

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

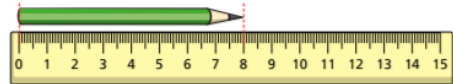
 cm

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

 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 _____

How do you know?

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

 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?

 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?

 m

Lesson 4

Compare mass

White
Rose
Maths

- 1 Use the words **heavier** or **lighter** to complete the sentences.

a)



The ball is _____ than the teddy.

b)



The tiger is _____ than the lion.

c)



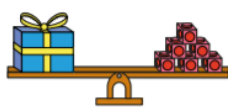
The pear is _____ than the apple.

The apple is _____ than the pear.

- 4 Which object is heavier?

Tick your answer.

a)



b)



- 5 Kim puts two objects on the scales.



The cube is lighter,
because it is smaller.

What mistake has Kim made?

- 2 Tick the heavier object on each scale.

a)



b)



- 3 What is the mass of each object?

a)



cubes

b)



cubes

- c) Which object is heavier? _____

© White Rose Maths 2020

- 6 Dora balances a tin with blocks.



- a) Complete the sentence.

1 tin has the same mass as blocks.

- b) Explain why these scales do not balance.



- 7 Which blocks are lighter?

Tick your answer.



Talk about your answer with a partner.

© White Rose Maths 2020