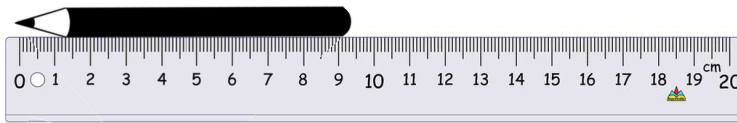
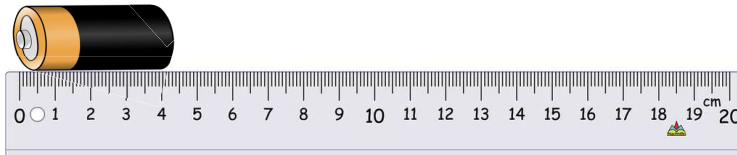




How long are these objects to the nearest centimetre?

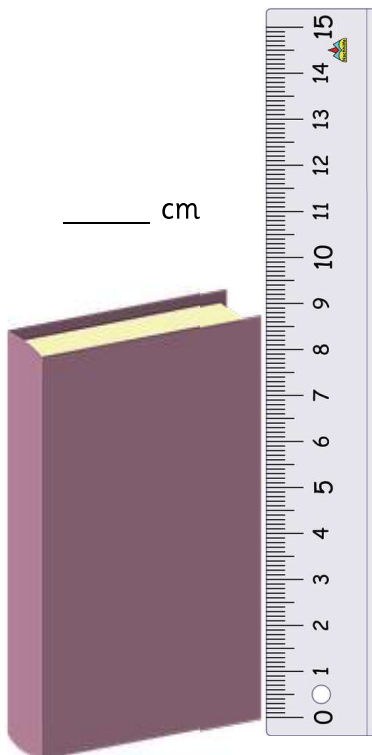


_____ cm

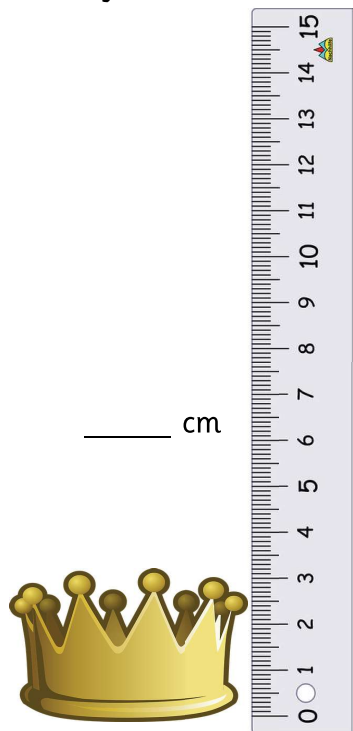


_____ cm

How tall are these objects to the nearest centimetre?



_____ cm



_____ cm



_____ cm

Draw a line that is:

3 cm long

9 cm long

12 cm long

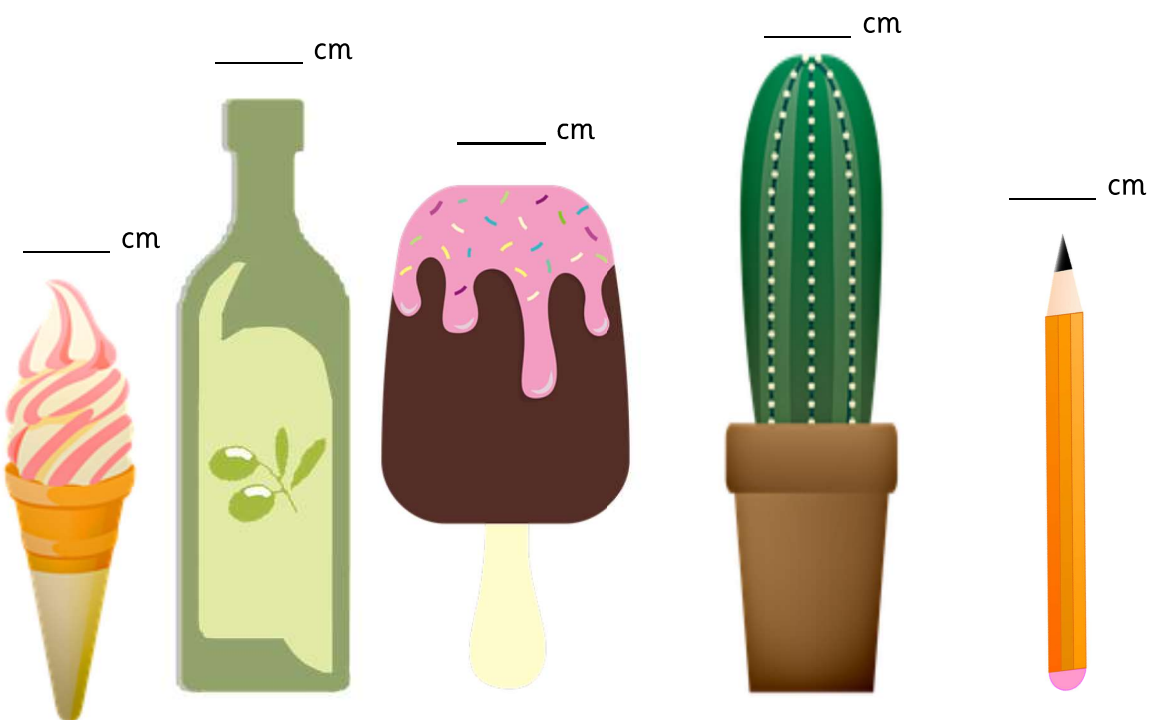
11 cm long



Choose a variety of objects and measure them using a centimetre ruler.

Objects	Centimetres
1.	
2.	
3.	
4.	

How tall are these objects to the nearest centimetre? Use a ruler.



Now it's time to draw some lines using your ruler.

Longer than 4 cm but shorter than 6 cm.

Longer than 5 cm but shorter than 8 cm.

Longer than 6 cm but shorter than 10 cm.

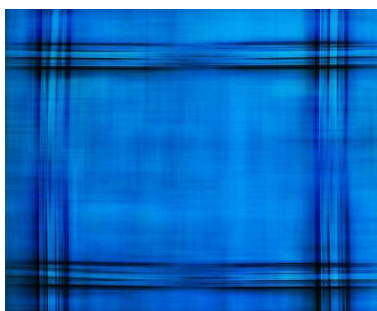
Shorter than 15 cm but longer than 9 cm.



Choose a variety of objects and measure them using a centimetre ruler.

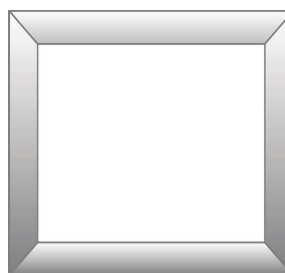
Objects	Centimetres	Objects	Centimetres
1.		4.	
2.		5.	
3.		6.	

How long and how tall are these objects to the nearest centimetre?



Length: _____

Height: _____



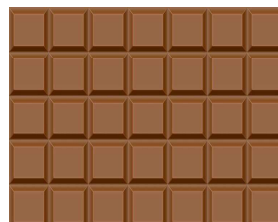
Length: _____

Height: _____



Length: _____

Height: _____



Length: _____

Height: _____

Draw some lines using your ruler.

Longer than half of 10 cm but shorter than half of 16 cm.

Shorter than half of 10 cm but longer than half of 6 cm.

Longer than one quarter of 12 cm but shorter than double 7 cm.



How long is this piece of ribbon?



15 cm

There is no way
to find out

1 cm

102 cm

Explain your choice.

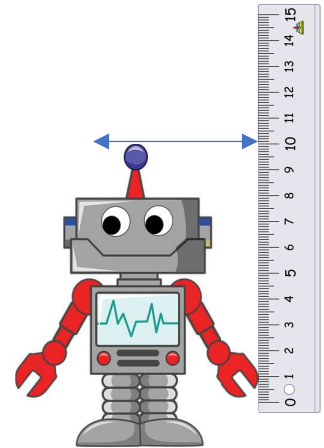
Rosie has used the ruler to measure the
height of the robot.

Rosie says



The robot is
10 centimetres tall.

Do you agree?
Explain your answer.



How long is this piece of ribbon?



15 cm

There is no way
to find out

1 cm

102 cm

Explain your choice.

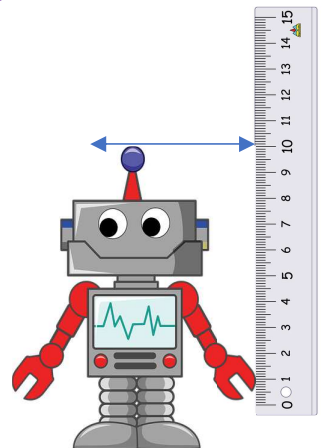
Rosie has used the ruler to measure the
height of the robot.

Rosie says



The robot is
10 centimetres tall.

Do you agree?
Explain your answer.





How long is this piece of ribbon?
How could you find out?



Does the length change if you change the
orientation? Explain.

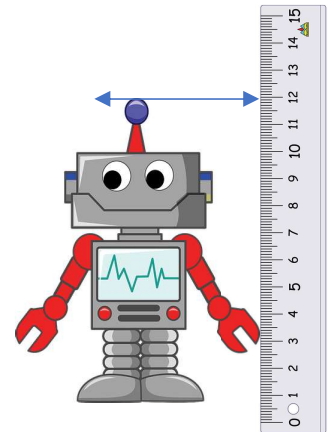
Rosie has used the ruler to measure the
height of the robot.

Rosie says



The robot is
12 centimetres tall.

Do you agree?
Explain your answer.



How long is this piece of ribbon?
How could you find out?



Does the length change if you change the
orientation? Explain.

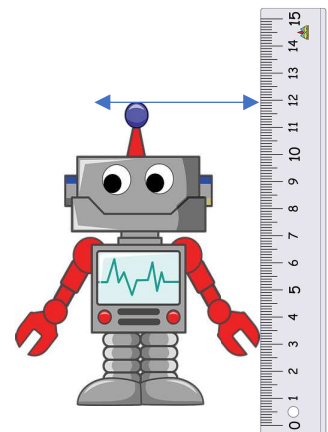
Rosie has used the ruler to measure the
height of the robot.

Rosie says



The robot is
12 centimetres tall.

Do you agree?
Explain your answer.





Compare the lengths of these ribbons.

Which is longer?
How could you find out?



Does the length change if you change the orientation? Explain.

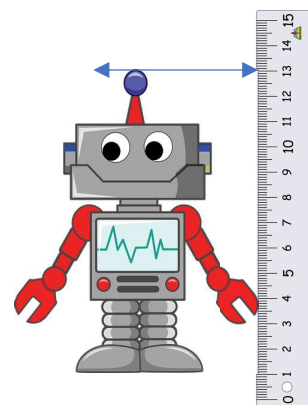
Rosie has used the ruler to measure the height of the robot.

Rosie says

The robot is one centimetre taller than 12 cm.



Do you agree?
Explain your answer.



Compare the lengths of these ribbons.

Which is longer?
How could you find out?



Does the length change if you change the orientation? Explain.

Rosie has used the ruler to measure the height of the robot.

Rosie says

The robot is one centimetre taller than 12 cm.



Do you agree?
Explain your answer.

