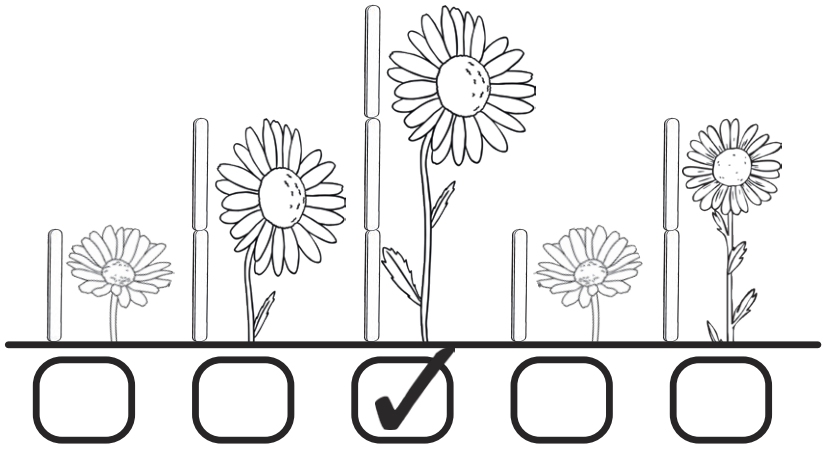


7

Rebeka hasn't used the same size blocks to measure the objects. The doll's house and the bin are not the same size.

Finn is not correct. He hasn't measured accurately as he has gaps between the lolly sticks.

The flower can be:

11 cubes tall

12 cubes tall

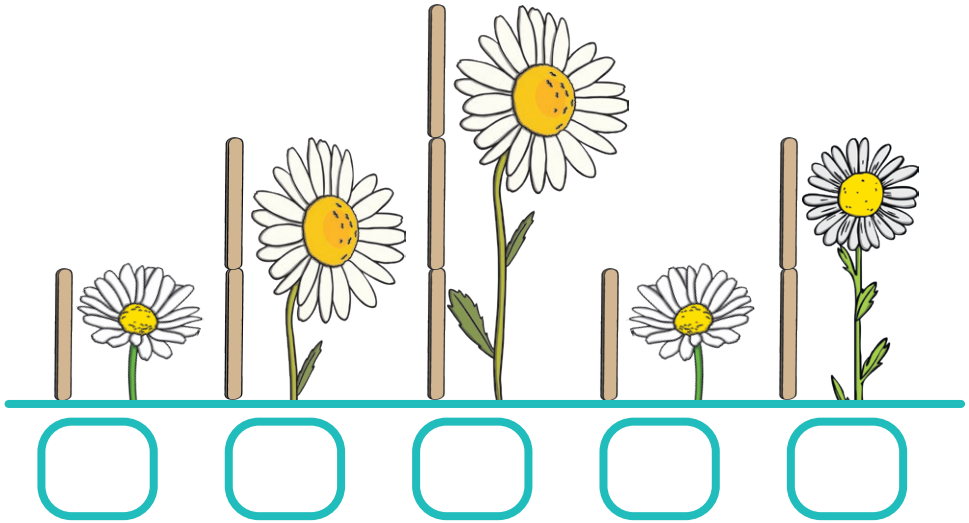
13 cubes tall

14 cubes tall

Children should suggest they use longer units to measure something taller, such as a person, as this will help reduce mistakes when counting.

Measuring Height Using Non-Standard Units

Tick the flower that is 3 lolly sticks tall.

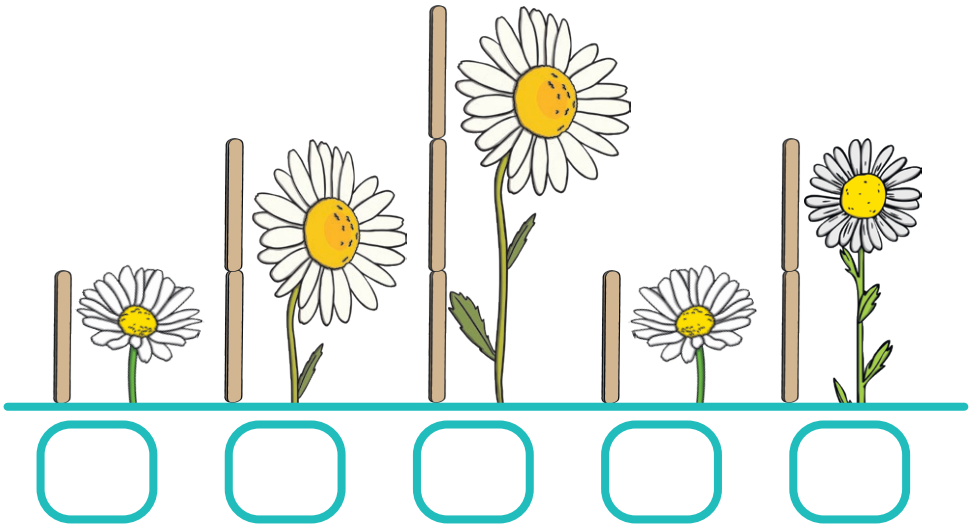


How many building bricks tall is the shortest stack of books?

Use paper clips to measure the height of classroom objects.

Measuring Height Using Non-Standard Units

Tick the flower that is 3 lolly sticks tall.



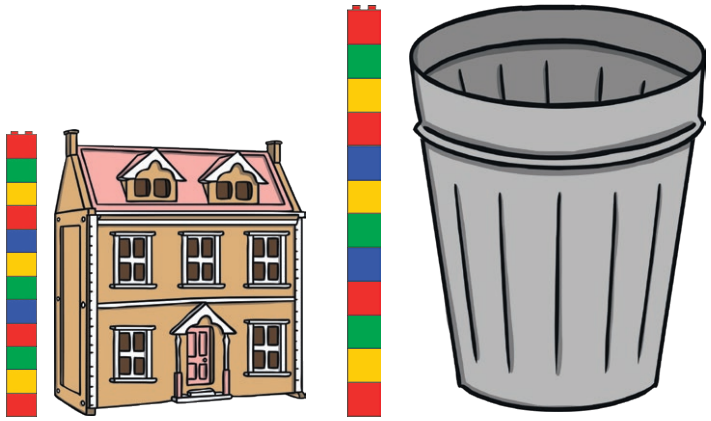
How many building bricks tall is the shortest stack of books?

Use paper clips to measure the height of classroom objects.

Measuring Height Using Non-Standard Units

The doll's house and the bin are both the same height because they are both 12 blocks tall.

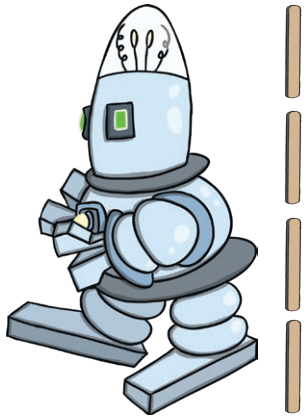
Rebeka



What mistake has Rebeka made?

The robot is 4 lolly sticks tall.

Finn

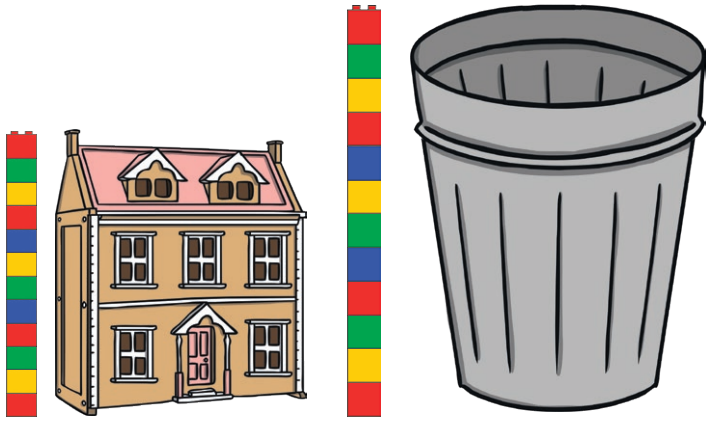


Do you agree with Finn? Why?

Measuring Height Using Non-Standard Units

The doll's house and the bin are both the same height because they are both 12 blocks tall.

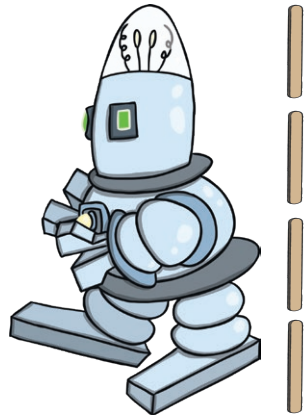
Rebeka



What mistake has Rebeka made?

The robot is 4 lolly sticks tall.

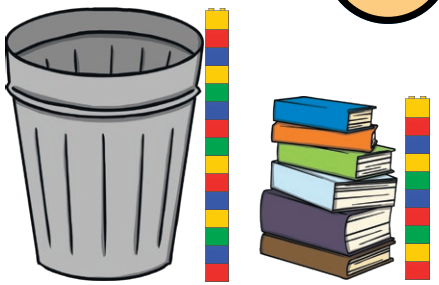
Finn

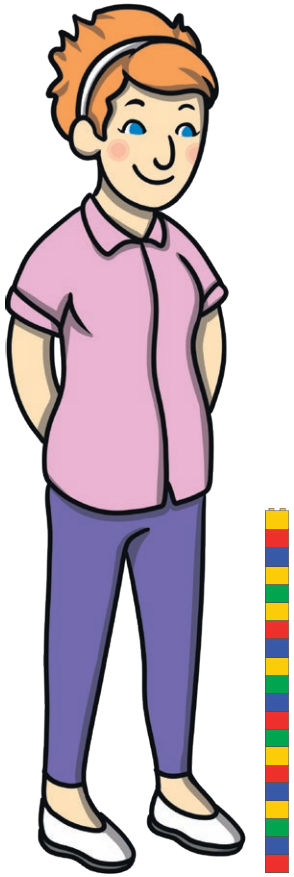


Do you agree with Finn? Why?

Measuring Height Using Non-Standard Units

The flower is taller than the books but shorter than the bin. How many cubes tall could it be? Find all the possibilities.





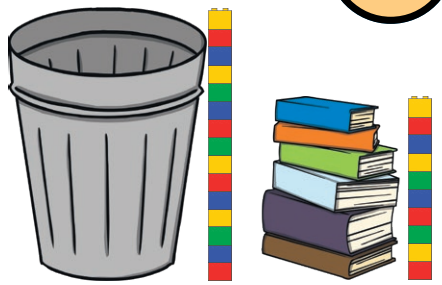
There are not enough building bricks to measure Mrs G.

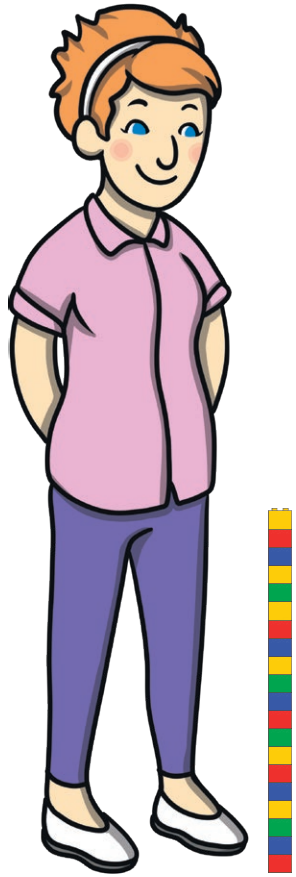
Rebeka

What could we use instead? Explain why that would be better.

Measuring Height Using Non-Standard Units

The flower is taller than the books but shorter than the bin. How many cubes tall could it be? Find all the possibilities.





There are not enough building bricks to measure Mrs G.

Rebeka

What could we use instead? Explain why that would be better.

Measuring Height Using Non-Standard Units

Adult Guidance with Question Prompts

Children learn to measure height using non-standard units of measure. They begin with measuring objects on the activity card and then go on to measuring objects around the classroom.

What has been used to measure the flowers? How tall is each flower?
Which is the tallest?
Which is the shortest?
Which one do you need to tick?

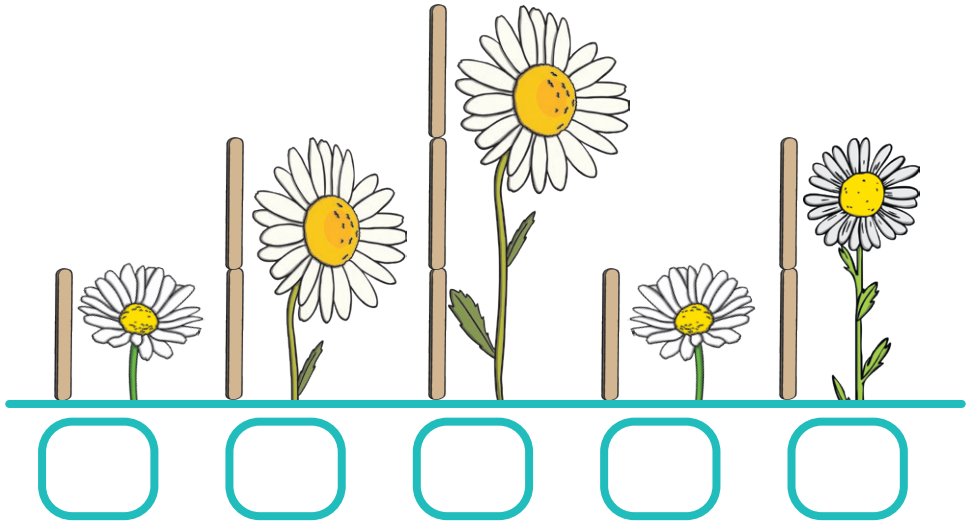
What has been used to measure the books?
How tall is the first stack of books?
How tall is the second stack of books?
How tall is the last stack of books?
Which is the tallest?
Which is the shortest?

How can you be accurate when measuring?
What objects would be hard to measure with paper clips?

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Measuring Height Using Non-Standard Units

Tick the flower that is 3 lolly sticks tall.



How many building bricks tall is the shortest stack of books?

Use paper clips to measure the height of classroom objects.

Measuring Height Using Non-Standard Units

Adult Guidance with Question Prompts

Children learn to measure height using non-standard units of measure. They use their understanding to explain mistakes shown in measuring the heights of objects.

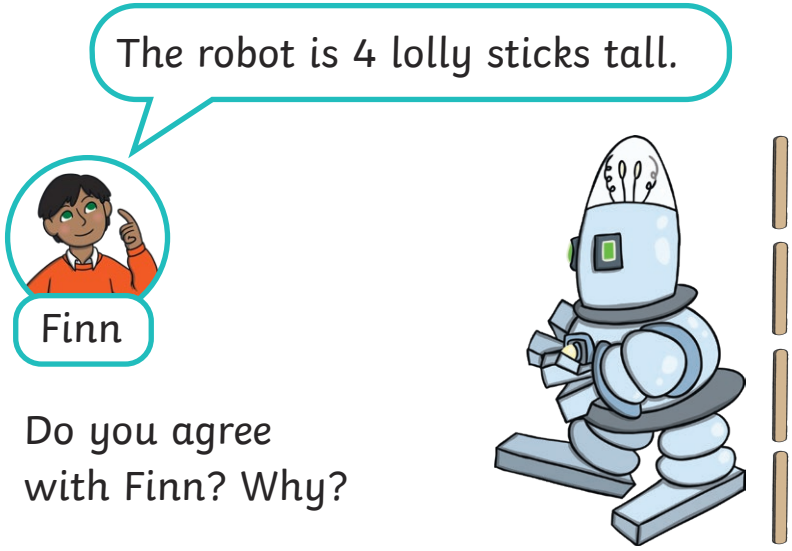
Look at the bricks, what can you tell me about them?
When we are comparing measurements, what should we remember?
Are both objects the same height?
Which is taller?
How should Rebeka have measured them?

What has Finn used to measure the robot?
Has he measured accurately?
What mistake has he made?
So is the robot five lolly sticks tall?
How should he have lined the lolly sticks up?

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Measuring Height Using Non-Standard Units

What mistake has Rebeka made?



Do you agree with Finn? Why?

Measuring Height Using Non-Standard Units

Adult Guidance with Question Prompts

Children learn to measure height using non-standard units of measure. In this activity, children use their understanding of measuring with non-standard units to solve an all possibilities problem. They then go on to suggest more practical equipment to use to measure the height of an adult.

How tall is the book?

How tall is the bin?

How can we work out how tall the flower is?

How can we make sure we find all the possibilities?

Where would be a good place to start?

How can you check you have found all the possibilities?

What has been used to measure Mrs G?

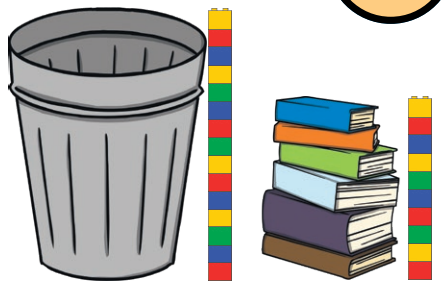
If we did have enough bricks, would it be a good idea to use the building brick to measure Mrs G's height?

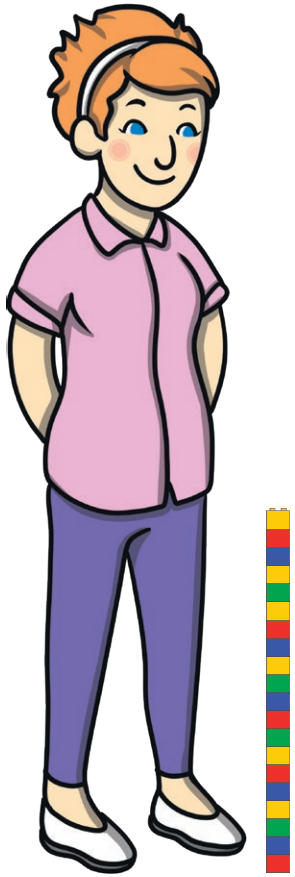
What would be more practical to measure tall things with?

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Measuring Height Using Non-Standard Units

The flower is taller than the books but shorter than the bin. How many cubes tall could it be? Find all the possibilities.





There are not enough building bricks to measure Mrs G.

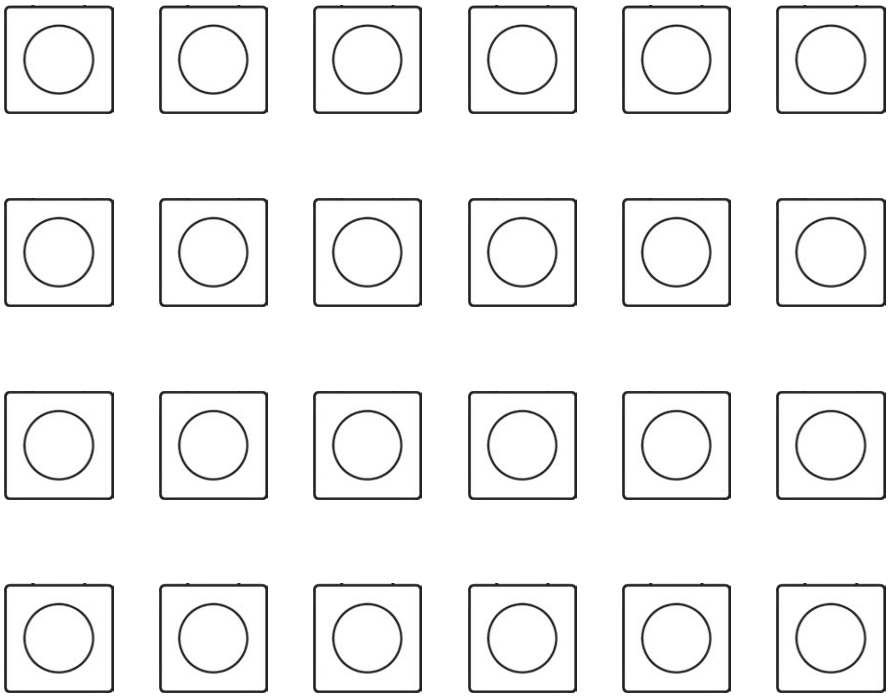
Rebeka

What could we use instead? Explain why that would be better.

How Tall?

To measure the height of objects using non-standard units.

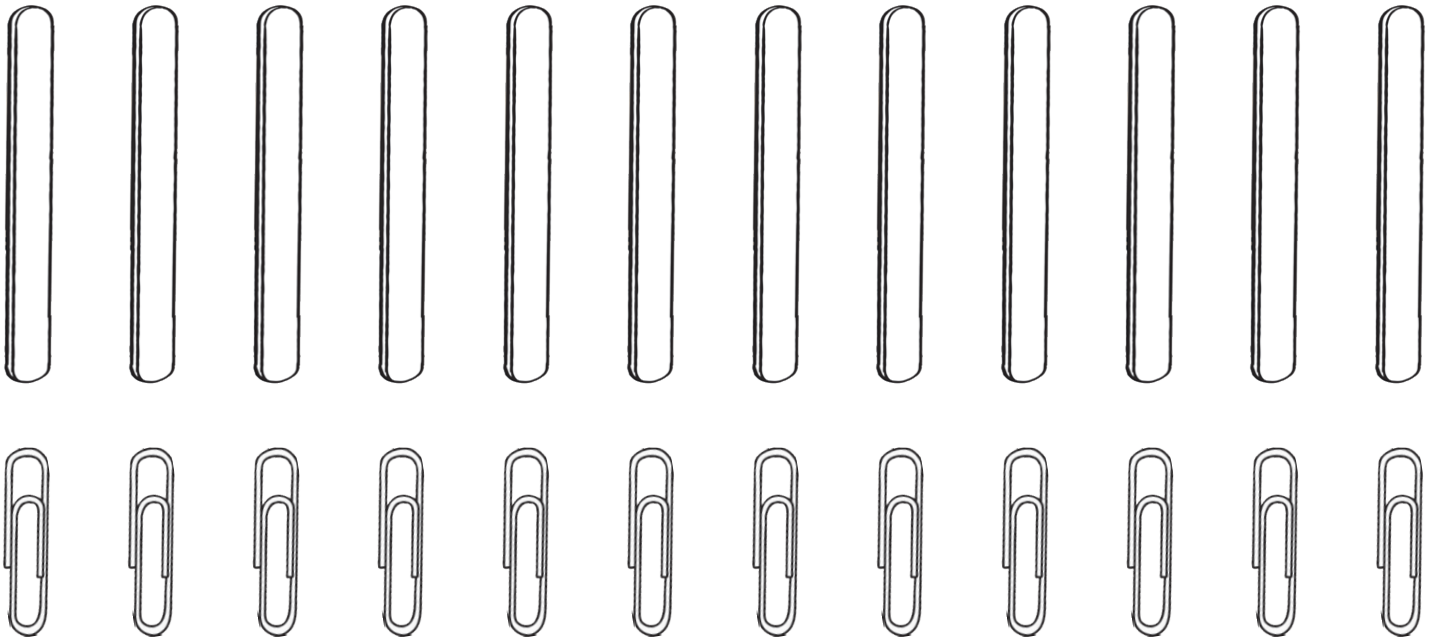
Cut out and use these images to measure the pictures.



How Tall?

To measure the height of objects using non-standard units.

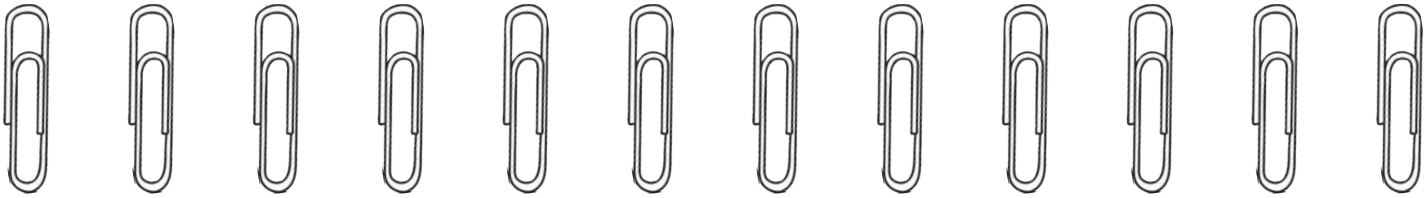
Cut out and use these images to measure the pictures.

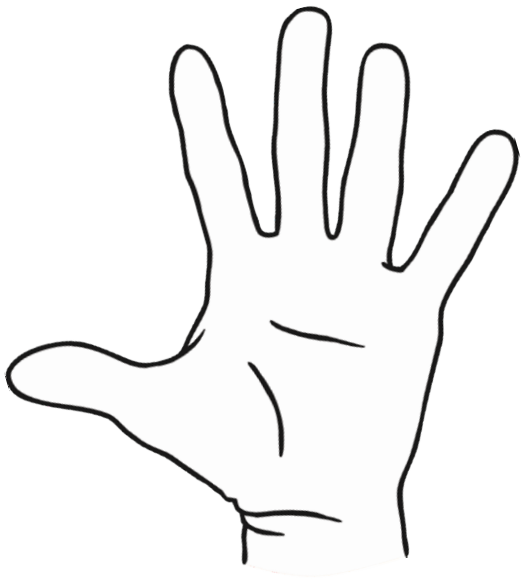


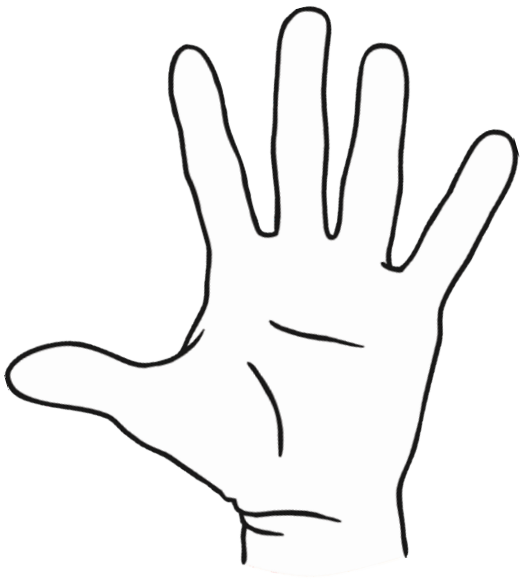
How Tall?

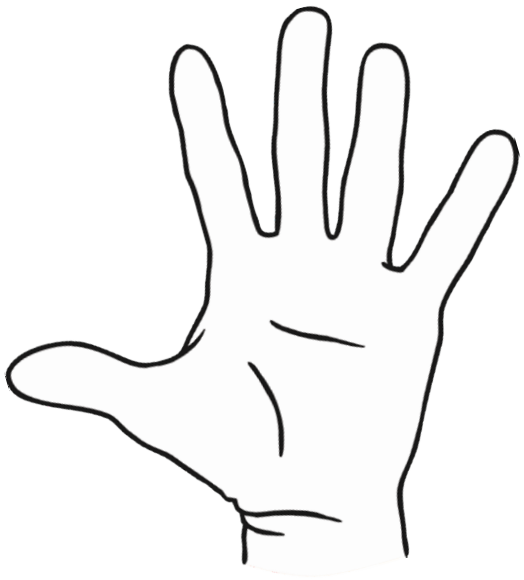
To measure the height of objects using non-standard units.

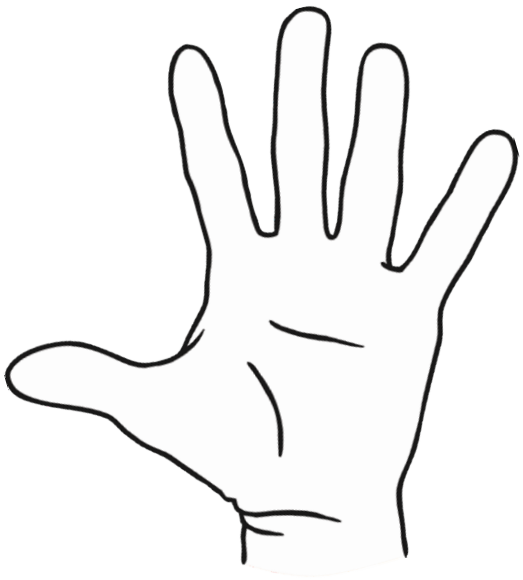
Cut out and use these images to measure the pictures.











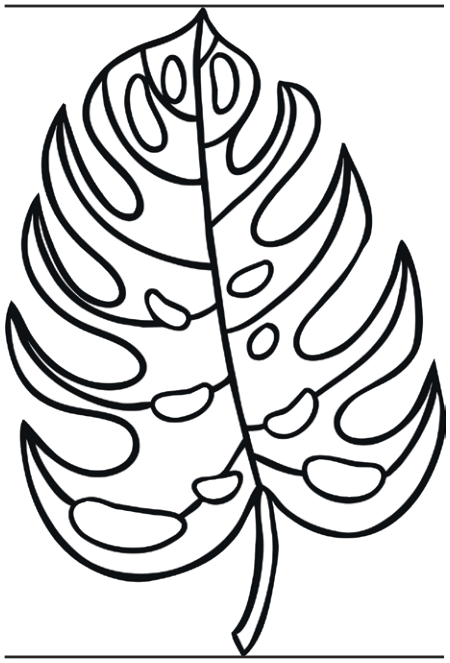
How Tall?

To measure the height of objects using non-standard units.

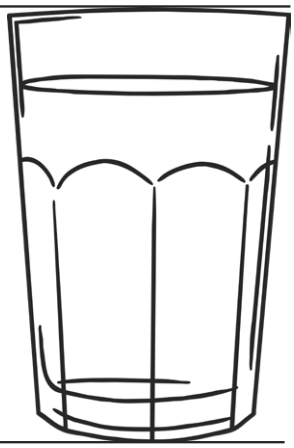
Use the cubes to measure the height of these pictures.
Record the measurement on the answer line.

_____ cubes tall.

_____ cubes tall.



_____ cubes tall.



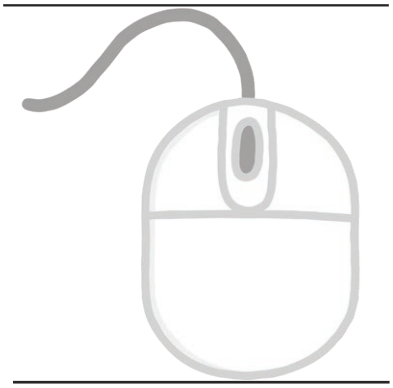
_____ cubes tall.

_____ cubes tall.

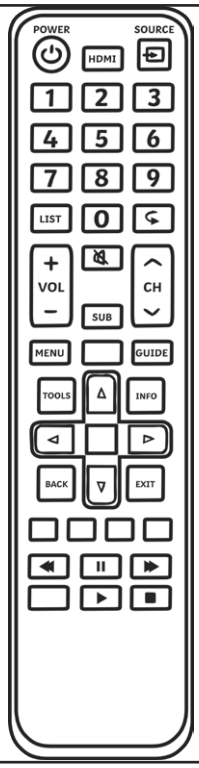
How Tall?

To measure the height of objects using non-standard units.

Use the lollipop sticks and paperclips to measure the height of these pictures. Record the measurement on the answer line.



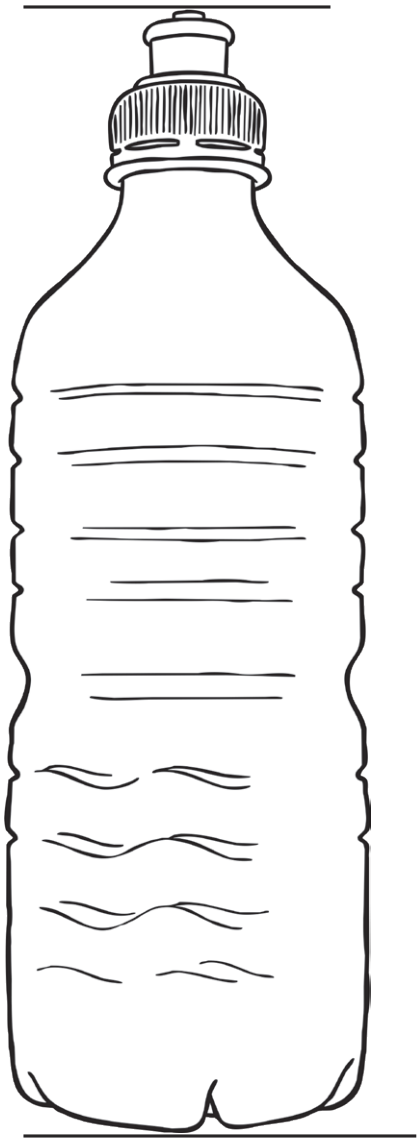
_____ paperclips tall.



_____ paperclips tall.

_____ lollipop sticks tall.

Use the lollipop sticks and paperclips to measure the height of these pictures.
Record the measurement on the answer line.



_____ lollipop sticks tall.

_____ paperclips tall.

Now measure the vase again, this time using paperclips.
What do you notice?

_____

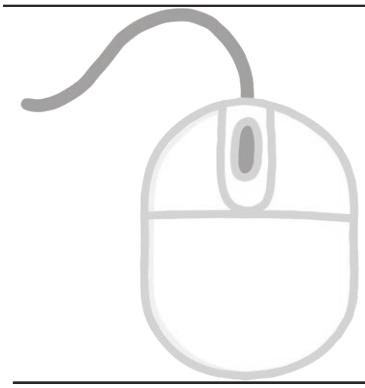
_____

_____

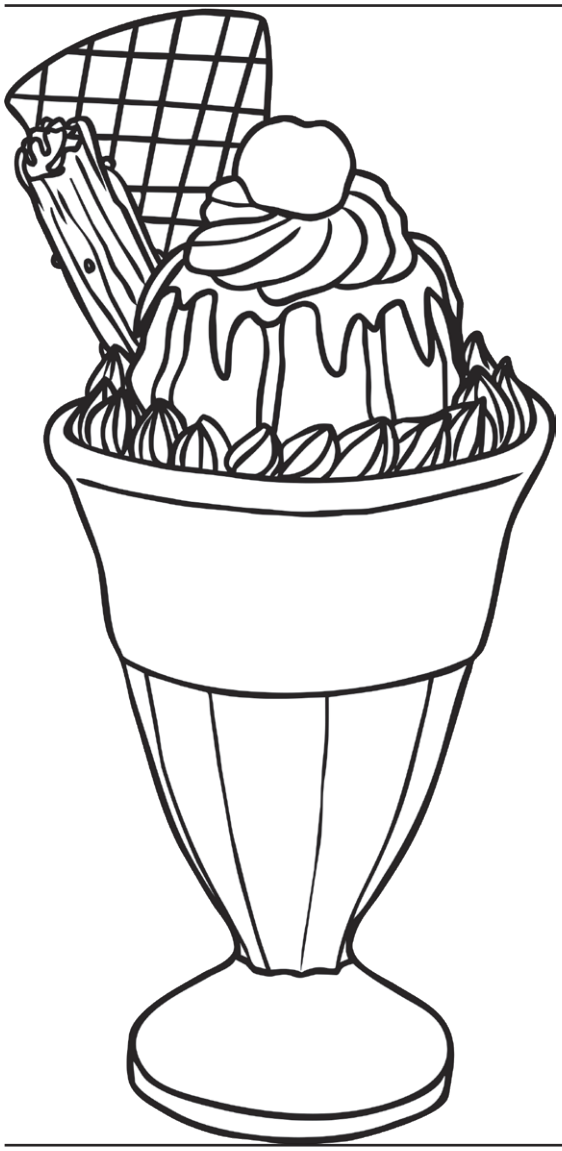
How Tall?

To measure the height of objects using non-standard units.

Select the most suitable unit to measure the height of these pictures with. Record the measurement on the answer line.



Select the most suitable unit to measure the height of these pictures with.
Record the measurement on the answer line.



What unit did you use to measure the tall pictures?
What did you use for the short pictures?

How Tall? **Answers**

1 Star Activity Sheets
Jug = 7 cubes tall
Glass = 4 cubes tall
Vase = 9 cubes tall
Leaf = 6 cubes tall
Spoon = 3 cubes tall

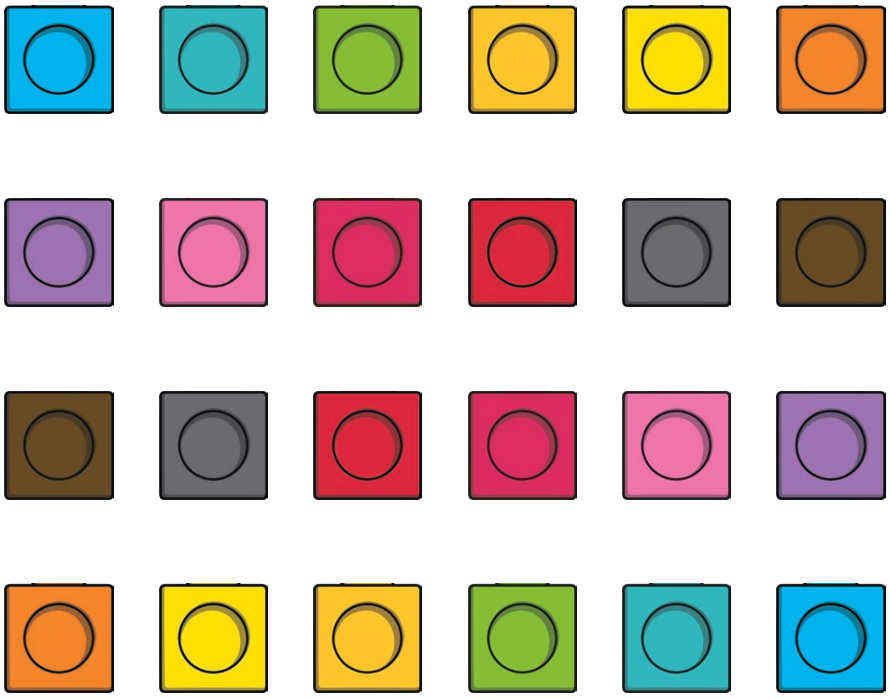
2 Star Activity Sheets
Computer mouse = 2 paperclips tall
TV remote = 4 paperclips tall
Vase = 3 lollipop sticks
Water bottle = 3 lollipop sticks tall
Leaf = 4 paperclips tall
When you use paperclips to measure the vase, a lot more are needed because they are smaller.

3 Star Activity Sheets
Glue stick = 3 paperclips tall
Computer mouse = 2 paperclips tall
Vase = 2 hands tall
Ice cream sundae = 2 hands tall
Hand gel = 4 paper clips tall
The hands were used to measure the tall pictures and the paperclips for the shorter pictures.

How Tall?

To measure the height of objects using non-standard units.

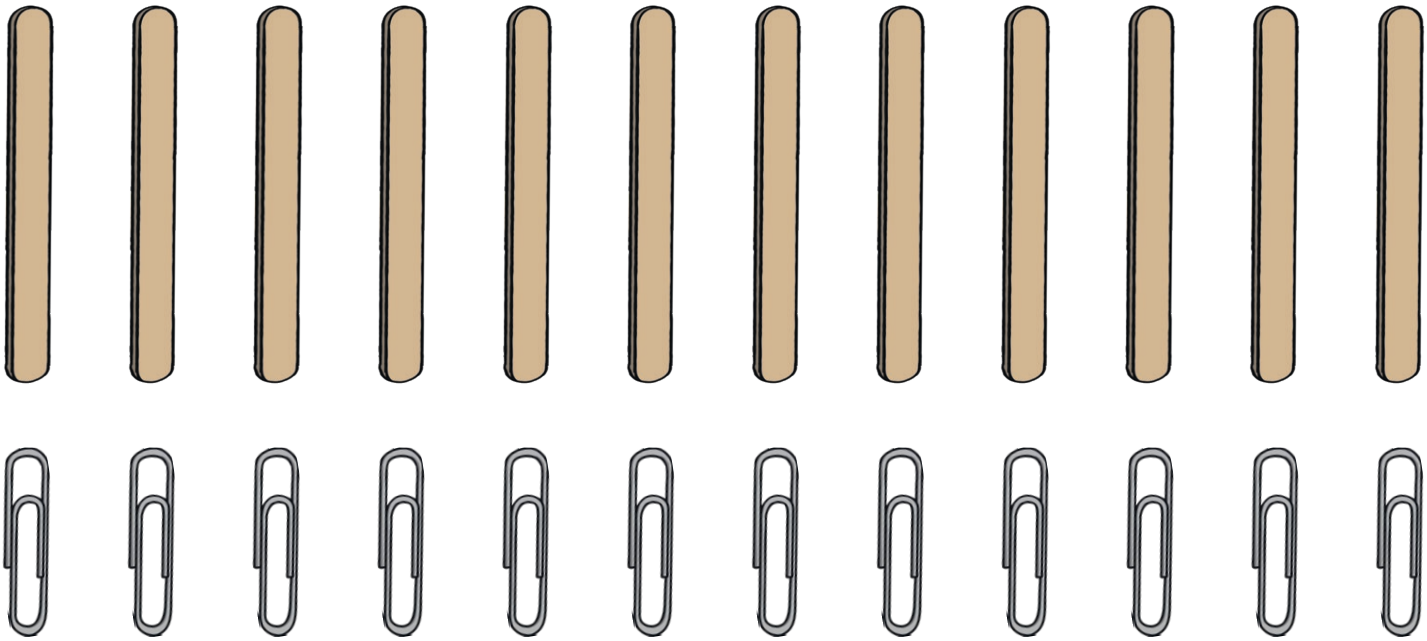
Cut out and use these images to measure the pictures.



How Tall?

To measure the height of objects using non-standard units.

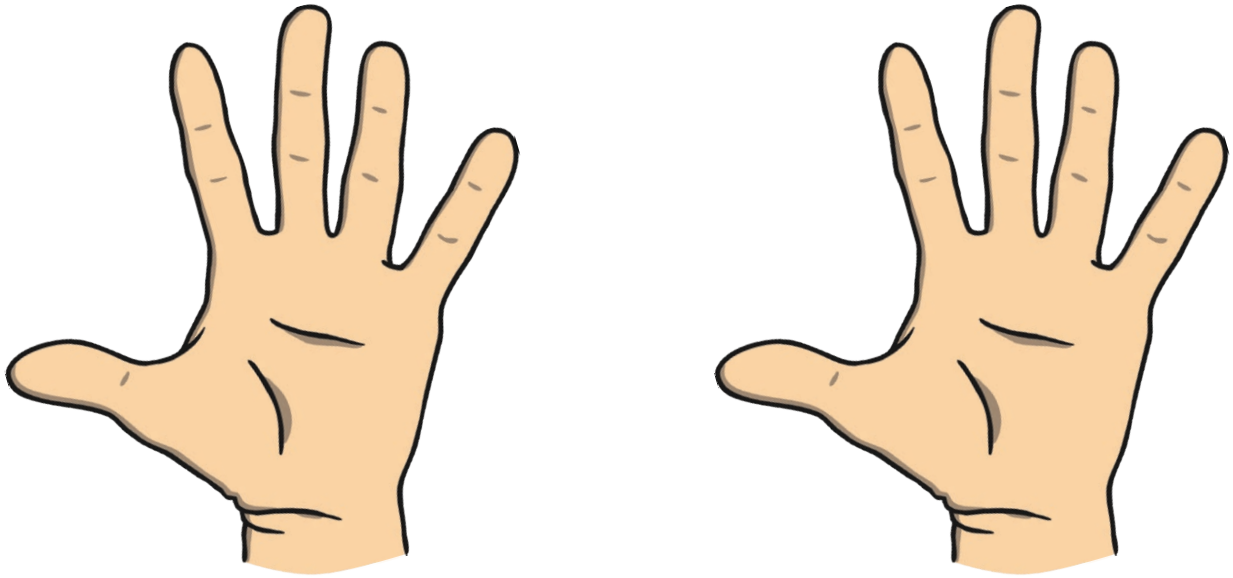
Cut out and use these images to measure the pictures.

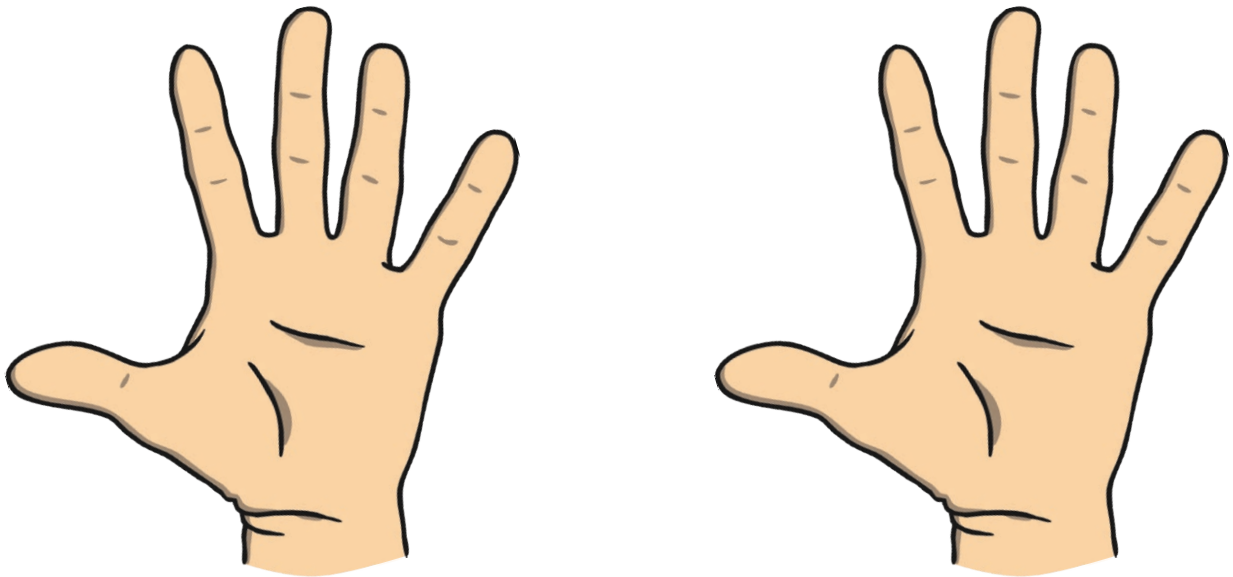


How Tall?

To measure the height of objects using non-standard units.

Cut out and use these images to measure the pictures.





How Tall?

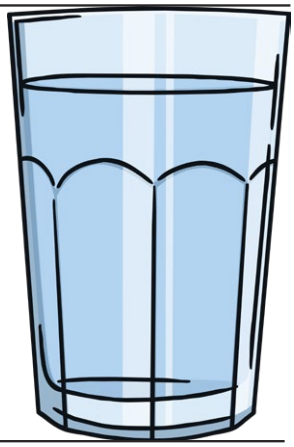
To measure the height of objects using non-standard units.

Use the cubes to measure the height of these pictures.
Record the measurement on the answer line.

_____ cubes tall.

_____ cubes tall.

_____ cubes tall.



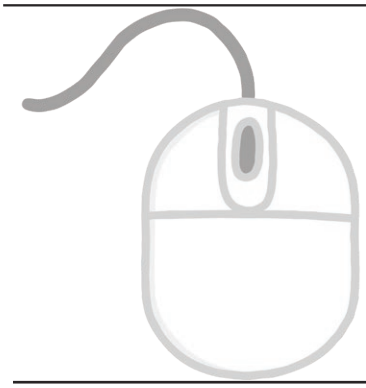
_____ cubes tall.

_____ cubes tall.

How Tall?

To measure the height of objects using non-standard units.

Use the lollipop sticks and paperclips to measure the height of these pictures. Record the measurement on the answer line.

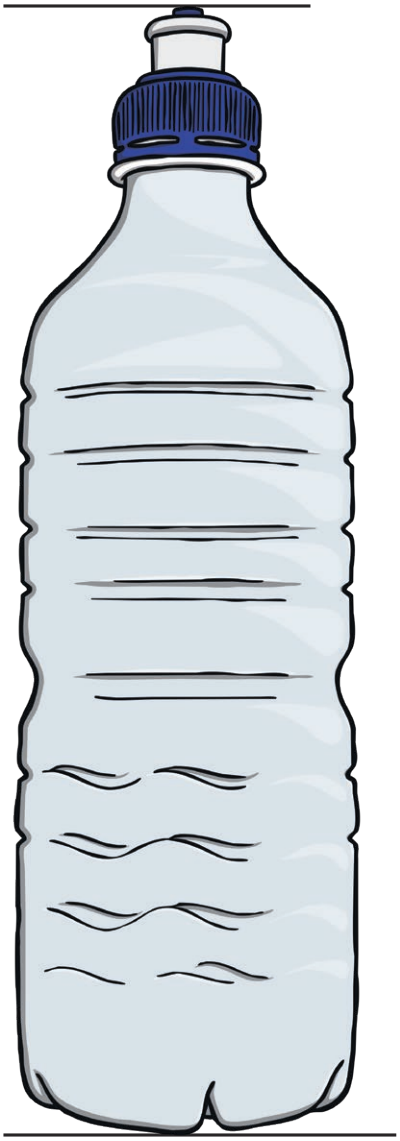


_____ paperclips tall.

_____ paperclips tall.

_____ lollipop sticks tall.

Use the lollipop sticks and paperclips to measure the height of these pictures.
Record the measurement on the answer line.



_____ lollipop sticks tall.

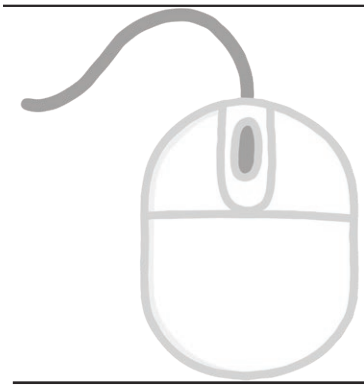
_____ paperclips tall.

Now measure the vase again, this time using paperclips.
What do you notice?

How Tall?

To measure the height of objects using non-standard units.

Select the most suitable unit to measure the height of these pictures with. Record the measurement on the answer line.



Select the most suitable unit to measure the height of these pictures with.
Record the measurement on the answer line.

What unit did you use to measure the tall pictures?
What did you use for the short pictures?

How Tall? **Answers**

1 Star Activity Sheets
Jug = 7 cubes tall
Glass = 4 cubes tall
Vase = 9 cubes tall
Leaf = 6 cubes tall
Spoon = 3 cubes tall

2 Star Activity Sheets
Computer mouse = 2 paperclips tall
TV remote = 4 paperclips tall
Vase = 3 lollipop sticks
Water bottle = 3 lollipop sticks tall
Leaf = 4 paperclips tall
When you use paperclips to measure the vase, a lot more are needed because they are smaller.

3 Star Activity Sheets
Glue stick = 3 paperclips tall
Computer mouse = 2 paperclips tall
Vase = 2 hands tall
Ice cream sundae = 2 hands tall
Hand gel = 4 paper clips tall
The hands were used to measure the tall pictures and the paperclips for the shorter pictures.