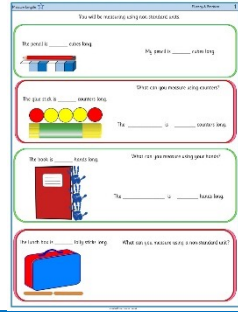


★ Length & Height– Measure Lengths

Children use non-standard units, such as cubes, hands and straws to measure length and height. Ensure they understand the units they use need to be of equal length. They need to understand that non-standard units should be exactly in line with one end of the object with no gaps between them to get an accurate measurement. On this sheet, they count non-standard units less than 10 and measure their own equipment.

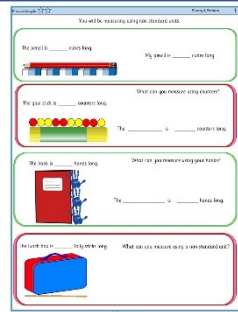
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★★ Length & Height– Measure Lengths

Children use non-standard units, such as cubes, hands and straws to measure length and height. Ensure They understand the units they use need to be of equal length. They need to understand that non-standard units should be exactly in line with one end of the object with no gaps between them to get an accurate measurement. On this sheet, they count non-standard units and measure their own equipment.

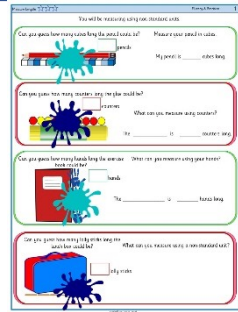
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★★★ Length & Height– Measure Lengths

Children use non-standard units, such as cubes, hands and straws to measure length and height. Ensure they understand the units they use need to be of equal length. They need to understand that non-standard units should be exactly in line with one end of the object with no gaps between them to get an accurate measurement. On this sheet, they estimate using non-standard units and measure their own equipment.

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Reasoning & Problem Solving

Length & Height– Measure Lengths

Children continue working on their understanding of length with reasoning tasks.

Reasoning & Problem Solving 1

Esin measures the length of 2 toys.

The toys are the same length.

Do you agree? Explain.

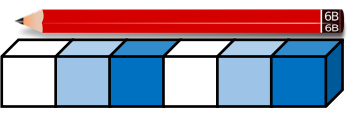
Zach measures the length of the pony.

It is 4 cubes long.

Do you agree? Explain.

You will be measuring using non-standard units.

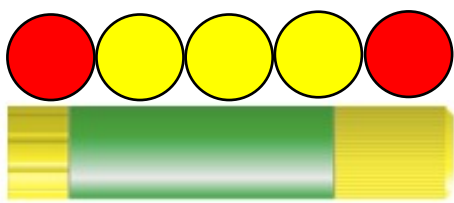
The pencil is _____ cubes long.



My pencil is _____ cubes long.

What can you measure using counters?

The glue stick is _____ counters long.



The _____ is _____ counters long.

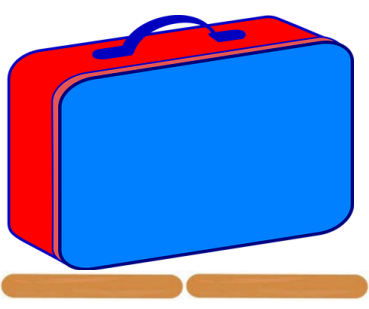
The book is _____ hands long.



What can you measure using your hands?

The _____ is _____ hands long.

The lunch box is _____ lolly sticks long.

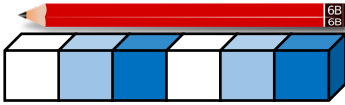


What can you measure using a non-standard unit?

You will be measuring using non-standard units.

The pencil is 6 cubes long.

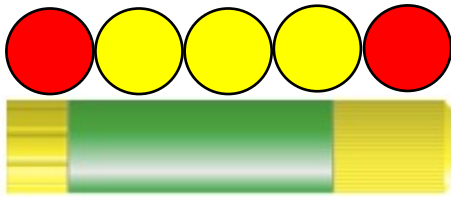
My pencil is _____ cubes long.



What can you measure using counters?

The glue stick is 5 counters long.

The _____ is _____ counters long.



The book is 3 hands long.

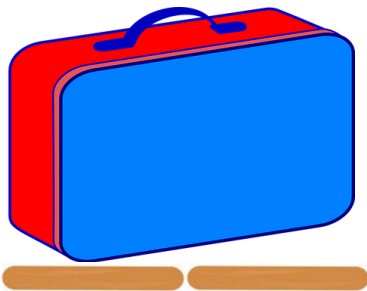
What can you measure using your hands?

The _____ is _____ hands long.



The lunch box is 2 lolly sticks long.

What can you measure using a non-standard unit?

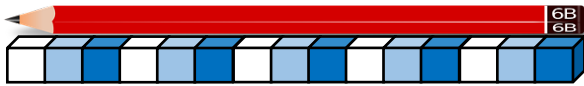




You will be measuring using non-standard units.

The pencil is _____ cubes long.

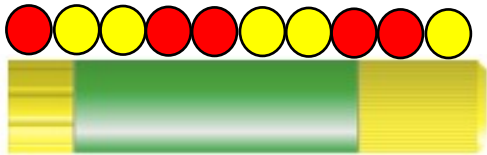
My pencil is _____ cubes long.



What can you measure using counters?

The glue stick is _____ counters long.

The _____ is _____ counters long.



The book is _____ hands long.

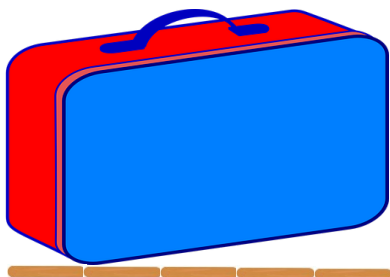
What can you measure using your hands?

The _____ is _____ hands long.



The lunch box is _____ lolly sticks long.

What can you measure using a non-standard unit?

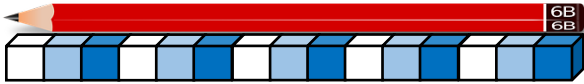




You will be measuring using non-standard units.

The pencil is 15 cubes long.

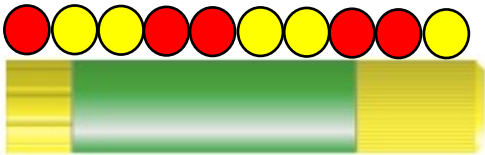
My pencil is _____ cubes long.



What can you measure using counters?

The glue stick is 10 counters long.

The _____ is _____ counters long.



The book is 3 hands long.

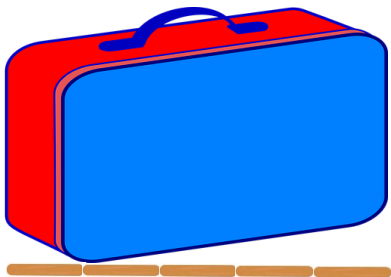
What can you measure using your hands?

The _____ is _____ hands long.



The lunch box is 5 lolly sticks long.

What can you measure using a non-standard unit?

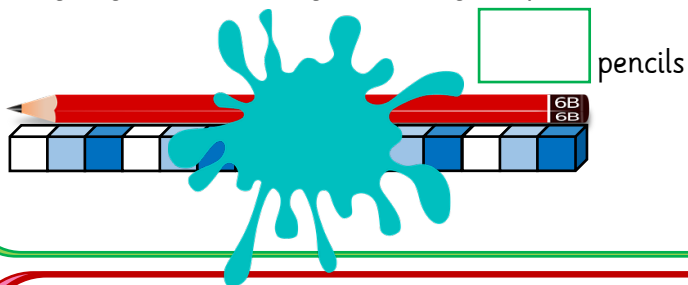




You will be measuring using non-standard units.

Can you guess how many cubes long the pencil could be?

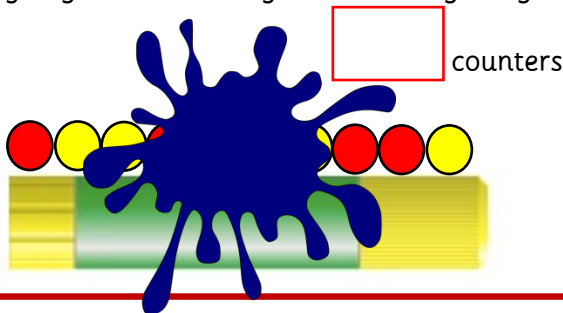
Measure your pencil in cubes.



My pencil is _____ cubes long.

Can you guess how many counters long the glue could be?

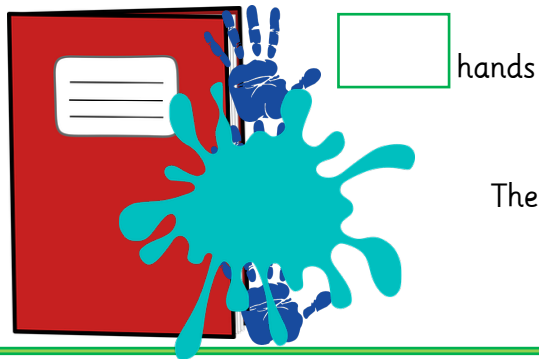
What can you measure using counters?



The _____ is _____ counters long.

Can you guess how many hands long the exercise book could be?

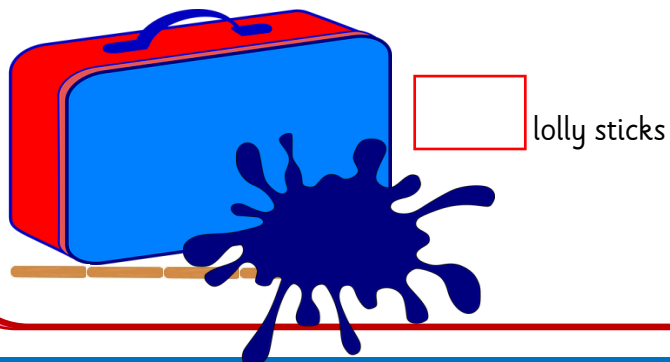
What can you measure using your hands?



The _____ is _____ hands long.

Can you guess how many lolly sticks long the lunch box could be?

What can you measure using a non-standard unit?





You will be measuring using non-standard units.

Can you guess how many cubes long the pencil could be?

Measure your pencil in cubes.

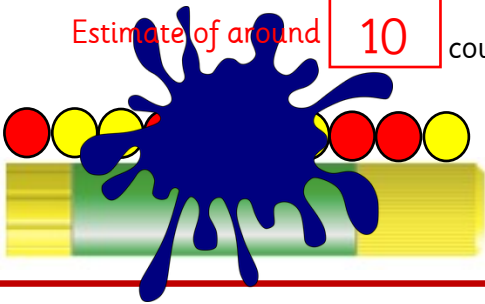
Estimate of around **15** pencils



My pencil is _____ cubes long.

Can you guess how many counters long the glue could be?

Estimate of around **10** counters

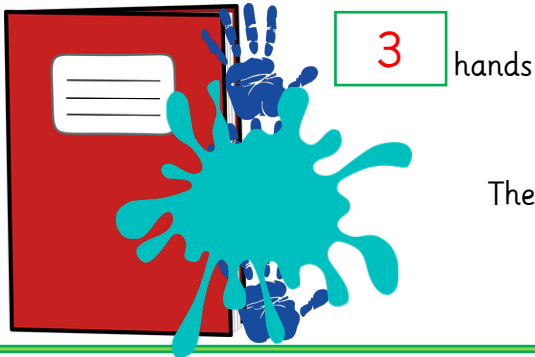


What can you measure using counters?

The _____ is _____ counters long

Can you guess how many hands long the exercise book could be?

What can you measure using your hands?

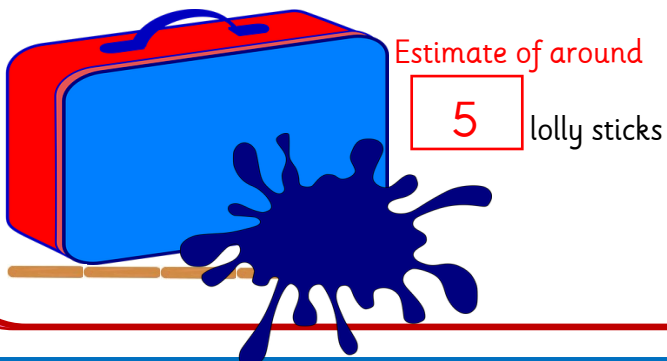


3 hands

The _____ is _____ hands long.

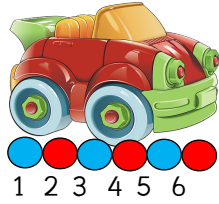
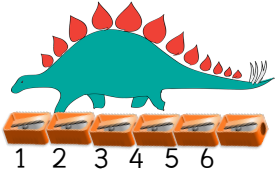
Can you guess how many lolly sticks long the lunch box could be?

What can you measure using a non-standard unit?



Estimate of around
5 lolly sticks

Esin measures the length of 2 toys.

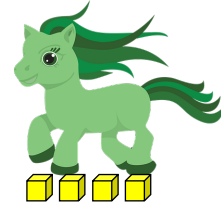


The toys are the same length.



Do you agree?
Explain.

Zach measures the length of the pony.

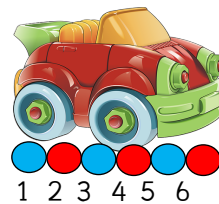
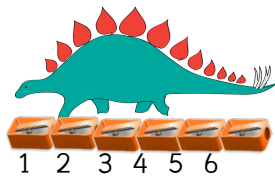


It is 4 cubes long.



Do you agree?
Explain.

Esin measures the length of 2 toys.

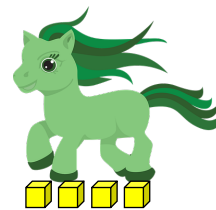


The toys are the same length.



Do you agree?
Explain.

Zach measures the length of the pony.

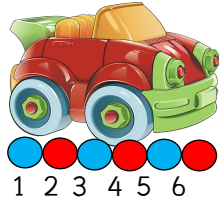
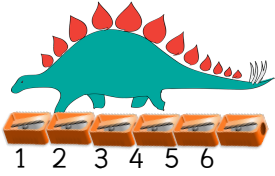


It is 4 cubes long.



Do you agree?
Explain.

Esin measures the length of 2 toys.



The toys are the same length.

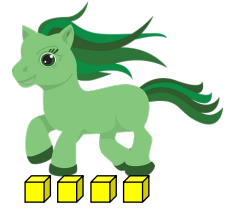


Do you agree?
Explain.

No. They are both 6 units, but
the units are different sizes.
They are not the same length.

Zach measures the length of the pony.

No. Zach hasn't lined up his
cubes properly.

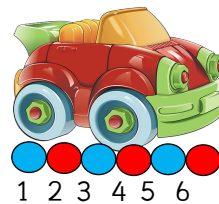
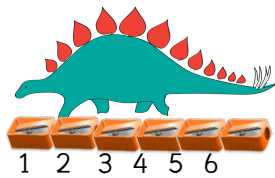


It is 4 cubes long.



Do you agree?
Explain.

Esin measures the length of 2 toys.



The toys are the same length.



Do you agree?
Explain.

No. They are both 6 units, but
the units are different sizes.
They are not the same length.

Zach measures the length of the pony.

No. Zach hasn't lined up his
cubes properly.



It is 4 cubes long.



Do you agree?
Explain.