



Measure heights using non-standard units

Measure lengths and heights using common standard units

Order heights

Compare heights using the language of taller than and shorter than

Year 1

Unit 8

Measurement: Length

Measure length using non-standard units

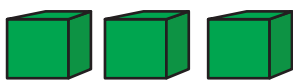
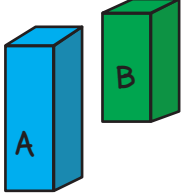
Compare lengths using the language of longer than and shorter than

Order lengths



Curriculum Progression

Manageable Steps 1 - 4

	Compare lengths using the language of longer than and shorter than	Order lengths	Measure length using non-standard units	Compare heights using the language of taller than and shorter than
What it is What it is also	[Resources needed: Sticks, pencils and ribbons] Which of these two sticks is longer? Which of these two pencils is longer? Which of these two ribbons is longer? Which of these two pencils is shorter? Which of these two straws is shorter?	[Resources needed: pencils, straws, lines, ribbon, sticks] Put these objects in order from shortest to longest: pencils straws lines ribbons sticks	Using finger steps measure the length of a: pencil book line Measure them using cubes.	[Resources needed: Cubes, children(!), plants] Which of these two towers is taller? Which of these two children is taller? Which of these two plants is shorter? Which of these two towers is shorter?
What it is not	Colin thinks that line B is longer than line A: A _____ B _____ Explain why he is incorrect.	Colin thinks that the lines are in order from shortest to longest: _____ _____ _____ _____ Explain why he is incorrect.	Colin thinks that the line is three cubes long:  Explain why he is incorrect.	Colin thinks that tower B is taller than tower A.  Explain why he is incorrect.
What problems can I solve?	Find three pencils (A, B and C) so that when A and B are put together they are still shorter than C. Cut a piece of string into four pieces (A,B,C and D) so that when A and B are put together they are longer than C and D together.	Always/Sometimes/Never True If four pencils are in order from shortest to longest, you need to swap two pencils so that they are in order from longest to shortest.	Find four items with a total length of 20 cubes. Find three items with a total length of 3 handspans. Find four items with a total length of two strides.	Always/Sometimes/Never True Thinner objects are taller.

Curriculum Progression

Manageable Steps 5 - 7



Order heights

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Measure lengths and heights using common standard units

What it is
What it is also

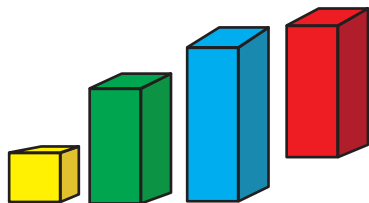
[Resources needed: Cubes, boxes, lines]
Put the objects in order from shortest to tallest.
towers
boxes
books

[Resources needed: Box, table, a child(!) and cubes]
Using finger steps measure the height of a:
box
table
child
Measure them using cubes.

Measure the height or length of five items in your classroom using centimetres.

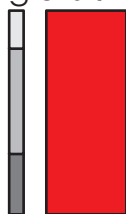
What it is not

Colin thinks that he has put the towers in order of height:



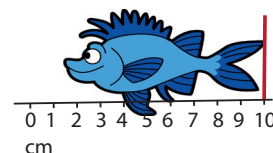
Explain why he is incorrect.

Colin thinks that the height of the rectangle is three:



Explain why he is incorrect.

Colin thinks that the fish is 10cm long.



Explain why he is incorrect.

What problems can I solve?

Colin is taller than Coco.
Liz is shorter than Steve.
Liz is taller than Colin.
Put Colin, Coco, Steve and Liz in order of height.

Write your own clues to put your friends in order of height.

Find an object that is 7 paperclips in height.
Find an object that is 10 cubes tall.
Find two objects that have a total height of 20 cubes.

Find three items that are each 10 cm long.

Find two items that are each 30cm tall.

Depth of Understanding