



MATHEMATICS



N.S. Yr. 1 P.72

Measure and compare

Equipment

Paper, pencil, ruler, crayons
Various containers, sand, rice etc

MathSphere

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Concepts

This module is concerned with using the vocabulary of measurement and comparing measurements in a variety of situations.

Developing and using the correct language is crucial and the following terms should be used as often as possible so that children understand their meaning and can use the terms themselves with accuracy.

For length:

Long short tall high low wide narrow deep shallow thick thin
far near close

For mass:

Weight weighs heavy light balances

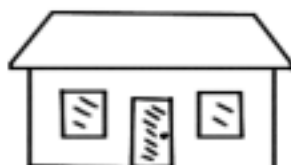
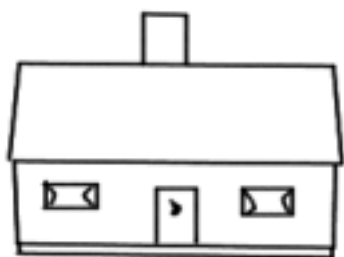
For capacity:

Full empty holds

and there are other words essential for **comparing**:

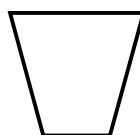
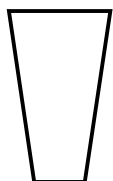
more than less than bigger smaller longer shorter taller higher lower
wider narrower deeper shallower thicker thinner nearer closer heavier
lighter fuller

Comparisons between heights, weights and capacity should be done on a practical basis - compare the weights of two parcels, finding which container holds the most sand, how many cups of water will fill the jug etc.

Shorter and taller

Colour the shortest house blue.

Colour the tallest house red.



Colour the shortest glass blue.

Colour the tallest glass red.

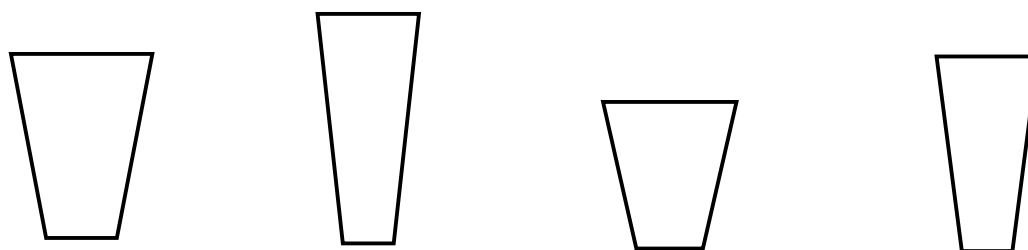


Colour the shortest sock green.

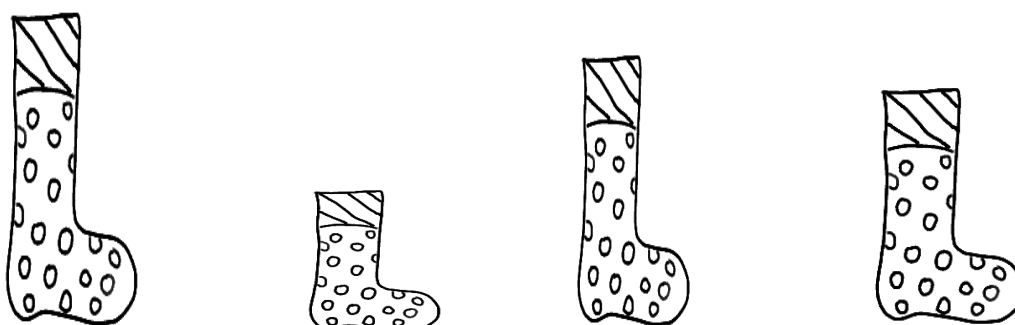
Colour the longest sock yellow.

Shorter and taller

Colour the shortest house blue.
Colour the tallest house red.



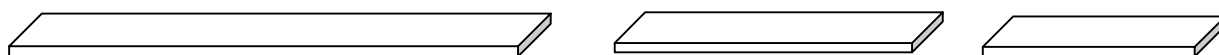
Colour the shortest glass blue.
Colour the tallest glass red.



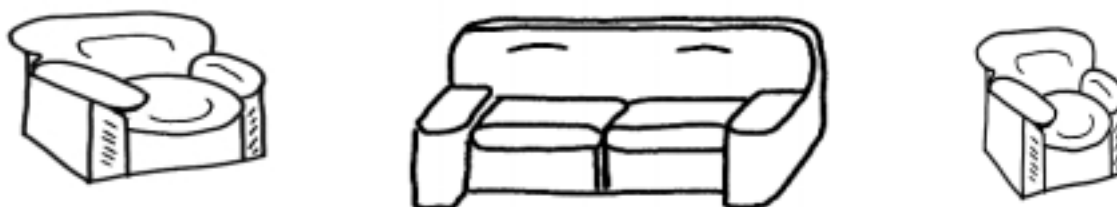
Colour the shortest sock green.
Colour the longest sock yellow

Comparisons of length

Colour the widest bridge red.
Colour the narrowest bridge green.



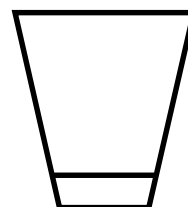
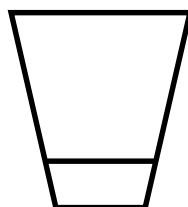
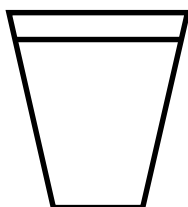
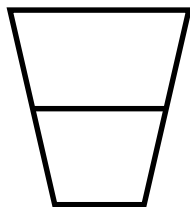
Colour the longest piece of wood blue.
Colour the shortest piece of wood red.



Colour the widest chair yellow.
Colour the narrowest chair green.



Colour the tallest jug blue.
Colour the shortest jug red.

Full or empty?

Colour the water in the fullest glass green.

Colour the water in the emptiest glass blue.

Colour the water in the glass which is nearly half full red.



Colour the water in the fullest jug green.

Colour the water in the emptiest jug blue.

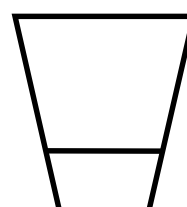
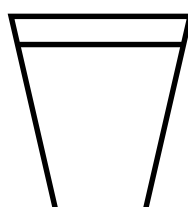
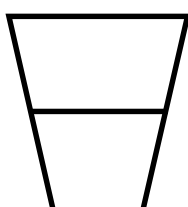
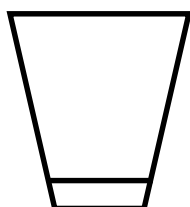
Colour the water in the jug which is about half full red.



Colour the tea in the fullest cup yellow.

Colour the tea in the emptiest cup green.

Colour the tea in the cup which is about half full red.

Full or empty?

Colour the water in the fullest glass green.

Colour the water in the emptiest glass blue.

Colour the water in the glass which is nearly half full red.



Colour the water in the fullest jug green.

Colour the water in the emptiest jug blue.

Colour the water in the jug which is about half full red.



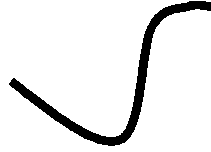
Colour the tea in the fullest cup yellow.

Colour the tea in the emptiest cup green.

Colour the tea in the cup which is about half full red.

Thick and thin, long and short

Draw a thicker line than this:



Draw a thinner line than this:



Draw a longer line than this:



Draw a shorter line than this:



Draw a thicker line than this:

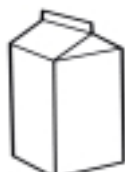
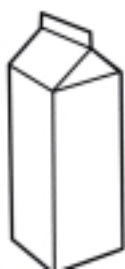


Draw a thinner line than this:



Draw a longer line than this:



Comparing length

Colour the tallest carton blue.
Colour the shortest carton red.
Colour the other two cartons yellow.



Colour the shortest car blue.
Colour the longer car green.
Colour the longest car yellow.



Colour the shortest jar blue.
Colour the tallest jar red.
Colour the two jars the same size green.