



Colin and Coco's Deliberate Practice

Year 2 Unit 14

Measurement

Answers





Contents

This pack of deliberate practice is designed to be used flexibly to secure the manageable steps of this unit.

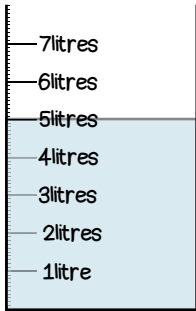
The table below indicates which activities are linked to which manageable steps.

	Do It	Challenge It	Play It
Measure capacity using litres	1		
Measure capacity using millilitres	1		
Estimate capacity using litres		1	1
Estimate capacity using millilitres		1	1
Compare capacity, > and <	2		
Order capacities			2
Measure temperature		2	

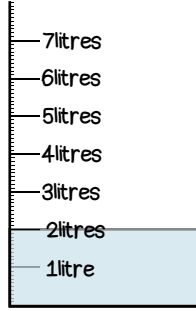


Do It 1

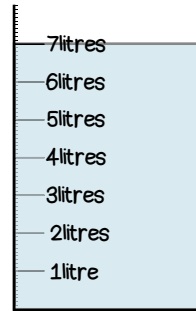
How much liquid is in each container?



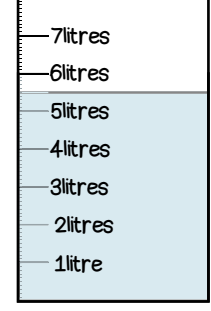
5 litres



2 litres



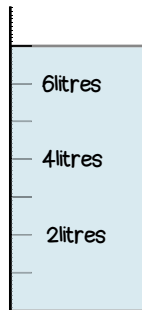
7 litres



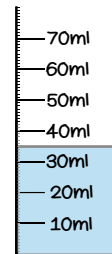
$5\frac{1}{2}$ litres



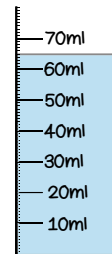
5 litres



7 litres



35
millilitres



65
millilitres

Challenge It 1

Match the amount to the sensible estimate.
Suggest other possibilities.

Other possibilities

5ml	bottle of milk	
5 litres	teaspoon	
1 litre	small cup	
100 litres	bucket	
100 ml	small bath	



Estimation Game

Play It 1

You need:

Measuring cylinder appropriate to measure capacity of containers

Containers - either a set of large containers 1 - 5 litres, or a set of small containers less than 100ml

Water

To play:

Player A chooses a container and estimates its capacity.

They measure the capacity.

Using estimation, Player B tries to find a container with a similar capacity to player A's container.

They measure the capacity.

Score a point if the capacity of the container is within ten millilitres. (Or one litre if using large containers.)

Swap roles.

To win:

The winner is the first player to score 5 points.



Do It 2

Insert $<$ or $>$ to make the statements true.

6 litres $<$ 11 litres

13 litres $>$ 8 litres

9ml $<$ 10ml

19ml $>$ 13ml

23 litres $<$ 32 litres

70ml $>$ 17ml

6ml $<$ 6 litres

13 litres $>$ 13ml

99ml $<$ 1 litre

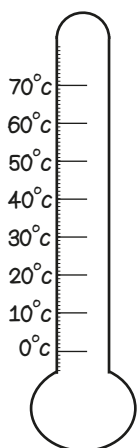
90ml $>$ 80ml

39 litres $<$ 93 litres

60ml $>$ 59ml

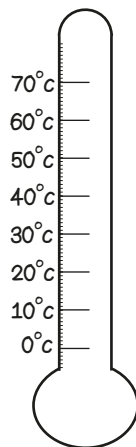
Challenge It 2

Use the clues to shade the thermometers to show the temperatures.
There may be more than one possibility!



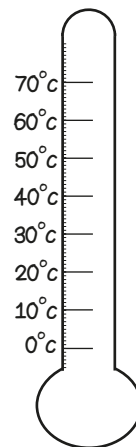
42°C or 40°C

The temperature is less than 60°C
It is hotter than 30°C
Both the digits are even.
The tens digit is greater than the ones digit.



37°C or 19°C

It is colder than 50°C
The temperature is more than 15°C
Both the digits are odd.
The digits add together to make 10



25°C

It is colder than 30°C
The temperature is more than 10°C
The number is in the 5 times table.
One digit is odd and the other is even.



Fill It Game

Play It 2

You need:

Cylinder template

0 - 9 dice

To play:

Player 1 throws the dice four times to make 2 two-digit numbers.

They mark the smaller amount on cylinder A and the larger amount on cylinder C

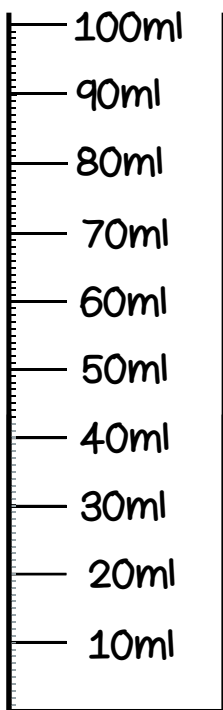
Player 2 now throws the dice three times and chooses from them to make a two-digit number.

They try to make a number that will fill cylinder B to an amount between cylinder A and cylinder C

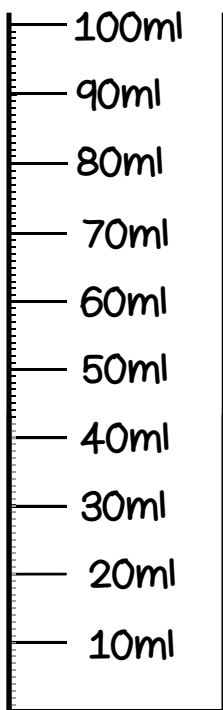
If they succeed they score one point.

To win:

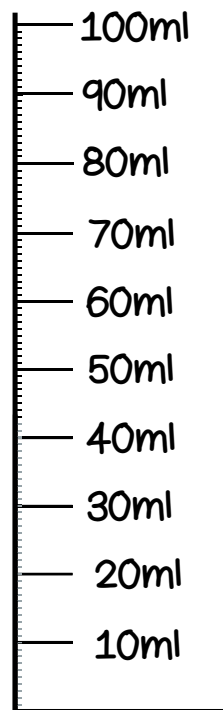
The winner is the first player to score 10 points



Cylinder A



Cylinder B



Cylinder C