

Our Maths Learning Journey

Key vocabulary:

Half
Quarter
Third
Equivalent
Equal part
Numerator
Denominator
Fraction
Unit fraction
Non-unit fraction

To find the duration of time using an analogue clock in 30- and 60-minute intervals

To tell and write time to 5-minute intervals

Sats papers

To tell and write time in hours and quarters.

To tell and write time in hours and quarters.

Unit Fractions
 $\frac{1}{2}$ and $\frac{1}{4}$, $\frac{1}{3}$
Non Unit fractions
 $\frac{2}{4}$, $\frac{3}{4}$

★ **STAR WORDS** ★



volume

capacity



litres

millilitres



measure

scale



compare



07.05.2024



LQ: Can I measure volume in millilitres?

Steps to Success:

I can identify tools that help me measure volume.

I can measure the volume in standard units (millilitres).

I can record the volume in millilitres.



07.05.2024

LQ: Can I measure volume in millilitres?



Today you are going to learn about volume and capacity.

Volume is the amount of space a 3D shape takes up. Capacity is the amount a shape or container can hold. We measure capacity in millilitres (ml) or litres (L).

Volume is how much a container can hold in total.



Capacity is how much is filled up. There is 60ml of water in this container.

1000 millilitres = 1 litre

07.05.2024

LQ: Can I measure volume in millilitres?



TP –Which cone looks like it will hold more popcorn?

What makes you think this?

Does a taller object always have a larger capacity (hold more)?

How might you compare the cones?

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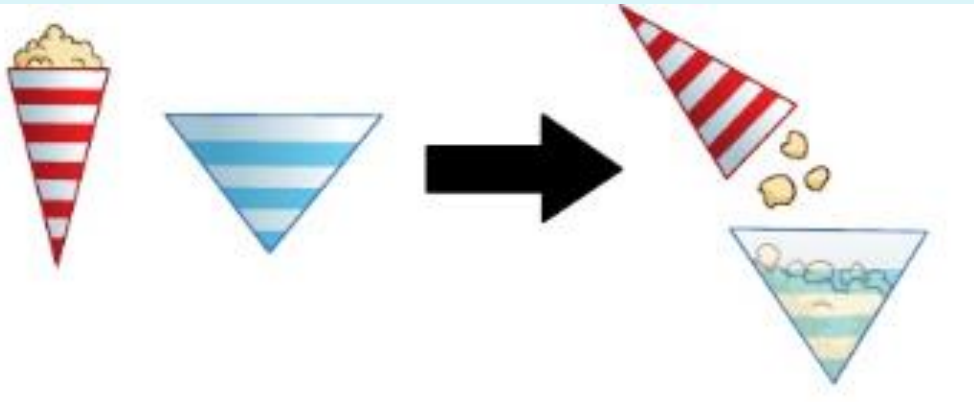
LQ: Can I measure volume in millilitres?



I have 2 cones.

TP- How can you find out which cone holds more popcorn?

I am going to fill the first cone with sand. Then I am going to fill the empty cone with the sand from the first cone. If the sand overflows, this means the first cone is larger but if it doesn't, it means the first cone is smaller.



07.05.2024

LQ: Can I measure volume in millilitres?

Tariq and Anya are measuring ingredients for their experiment.

TP - How can Tariq and Anya measure each amount of vinegar accurately?

Tariq put 30 ml of vinegar in a pot.

How many teaspoons is that?



07.05.2024

LQ: *Can I measure volume in millilitres?*

*Each teaspoon holds 5 ml of liquid.
We can count in 5s to help us work
out how many teaspoon Tariq used.*

Share

Millilitres are units for measuring volume.



I teaspoon holds 5 ml.

'ml' stands for millilitres.

a)

5 ml vinegar	10 ml vinegar	15 ml vinegar	20 ml vinegar
5 ml	10 ml	15 ml	20 ml

I will count in 5s.



07.05.2024

LQ: Can I measure volume in millilitres?



*Tariq has 100 ml of vinegar.
He said he will count in 5s.*

How could you accurately measure the different volumes of vinegar?

How many teaspoons would you need to make 10 ml?

How do you know?

What number could you count in to help you?

Could you use anything to help you represent the counting?

How many teaspoons would 100 ml be?

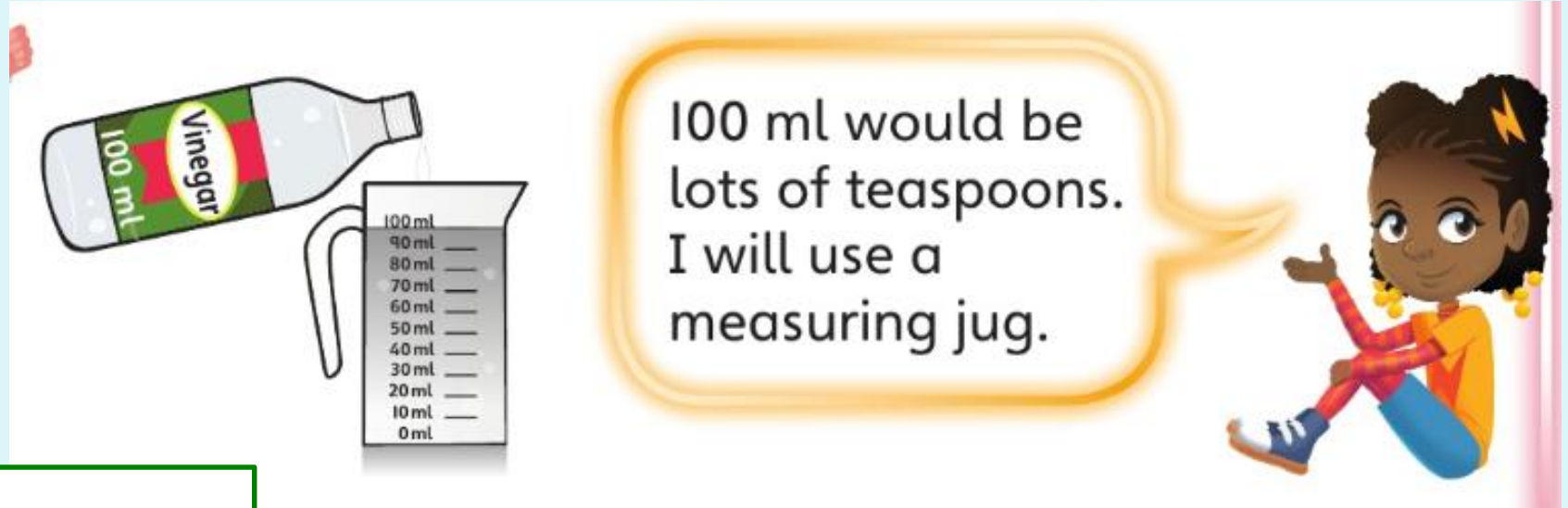
Is there a better way to measure 100 ml?

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LQ: Can I measure volume in millilitres?



Self assessment

Do you understand how to measure volume in millilitres?







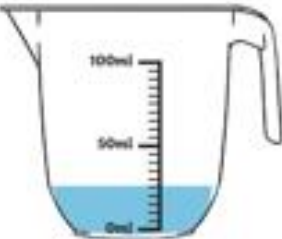
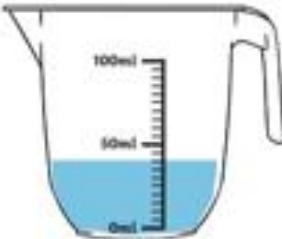

Why does Flo say she will use a measuring jug?

LQ: Can I measure volume in millilitres?

<p>1. Record how much water is in each jug in millilitres.</p> <p>Read the scales carefully.</p>	<p>2. Ranjit and Holly are using a measuring jug to measure water.</p>  <p>Who is correct? Convince me. How much do you think is in the jug?</p>	<p>3. My bottle holds 200ml of water. It takes 10 spoons of water to fill the bottle.</p>  <p>What is the capacity of 1 spoon?</p>
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1.

			
_____ ml	_____ ml	_____ ml	_____ ml

		
_____ ml	_____ ml	_____ ml

Self assessment

Do you understand what to do?

Complete the tasks in your book.

08.05.2024 and 10.05.2024

08.05.2024 and 10.05.2024

LQ: Can I use my mathematical skills to answer questions?

Steps to Success:

I can read mathematical numbers and symbols.

I can identify what the number sentence is asking me to do.

I can select the correct operation to work out my answer.


I can use the inverse operation to check that my answer is correct.

 **STAR
WORDS** 

Read



Solve

$$\begin{aligned} 8 + \frac{1}{2}(12) &= x \\ 8 + 6 &= x \\ 14 &= x \end{aligned}$$


Understand



Answer



Choose



Check



08.05.2024 and 10.05.2024

LQ: Can I use my mathematical skills to answer questions?

Today we are going to do SATs tests.

Key stage 1

Mathematics

Paper 1: arithmetic

First name	
Middle name	
Last name	

Total marks

Key stage 1

Mathematics

Paper 2: reasoning

First name	
Middle name	
Last name	

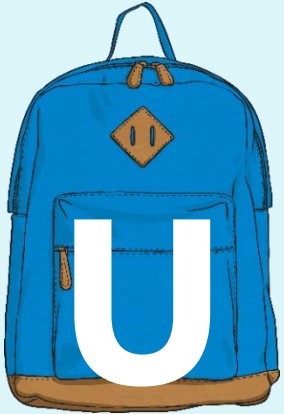
Total marks

LQ: Can I use my mathematical skills to answer questions?

When looking at the questions, this is what you need to do:



Read the question. What is the important information?



Understand the question. What do you need to find out?



Choose the correct method of calculation and operation(s).

08.05.2024 and 10.05.2024

LQ: Can I use my mathematical skills to answer questions?

When looking at the questions, this is what you need to do:



Solve the problem. Make sure you follow the steps.



Answer the question. What were you meant to find out?

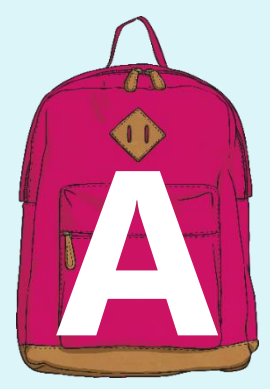


Check your answer. Use the inverse to check your working out.

08.05.2024 and 10.05.2024 LQ: Can I use my mathematical skills...

Remember this term when you are taking your test!

It makes the term...



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Let's put it into practise...

08.05.2024 and 10.05.2024

LQ: Can I use my mathematical skills to answer questions?

In the reasoning test paper you will have some questions that the adult will read out to you.

You will need to listen carefully to the question and understand what it is asking you to do.

08.05.2024 and 10.05.2024

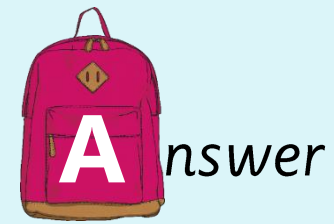
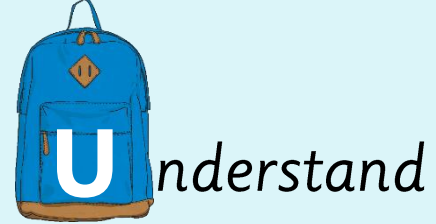
LQ: Can I use my mathematical skills to answer questions?

Practice question



footballs

Ajay has two footballs.
 Amy has three footballs.
 How many footballs do they have altogether?
 Write your answer in the box.



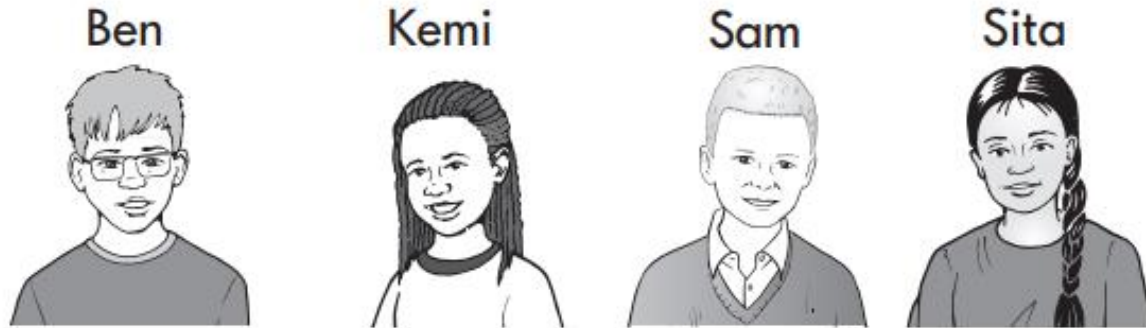
Remember this term when you are taking your test!

Remember you can use the space in the box to work out your answer.

09.05.22 and 10.05.22

LQ: Can I use my mathematical skills to answer questions?

1



Ajay has four friends: Ben, Kemi, Sam and Sita.
He gives ten pence to each friend.
How much money does he give altogether?
Write your answer in the box.



ead



nderstand



hoose



olve



nswer



heck

Remember this term when you are taking your test!

Remember you can use the space in the box to work out your answer.

08.05.2024 and 10.05.2024

LQ: Can I use my mathematical skills to answer questions?

2

110

111

1001

101

200

I am counting forwards.

When I stop counting, tick the next number I should say:
ninety-seven, ninety-eight, ninety-nine, one hundred ...



Read



Understand



Choose



Solve



Answer



Check

Remember
this term
when you are
taking your
test!

Remember you can
use the space in
the box to work
out your answer.

08.05.2024 and 10.05.2024

LQ: Can I use my mathematical skills to answer questions?

3

63

bean bags

There are sixty-three bean bags in a sack.
Amy takes ten bean bags away.
How many bean bags are left in the sack?
Write your answer in the box.



Read



Understand



Choose



Solve



Answer



Check

Remember this term when you are taking your test!

Remember you can use the space in the box to work out your answer.

08.05.2024 and 10.05.2024

LQ: Can I use my mathematical skills to answer questions?

I believe in you! You are ready!

Let's do it!