



Aim High... Fly High...

Y2 Maths: Week Commencing 13th July 2020: measures 2: mass and volume

Home Learning – Year 2

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Please use Yr2 Summer term week 10 (it is labelled as w/c 29th June).

The first lesson this week is *measure mass in g*

Summer Term - Week 11 (w/c 6th July) +
Summer Term - Week 10 (w/c 29th June) -

Lesson 1 - Measure mass in grams

Measure mass in grams

Looking for the worksheets? Contact your child's school to check if they have a subscription to our worksheets. Alternatively, [read more here](#) or get some extra practice from [BBC Bitesize](#).

00:00 |

Home Learning

Easter Fun

Summer Term

Home Learning – Early Years

Home Learning – Year 1

Home Learning – Year 2

Home Learning – Year 3

Home Learning – Year 4

Home Learning – Year 5

Home Learning – Year 6

Home Learning – Year 7

The teaching videos are on the site as usual and the [White Rose lesson activities](#) remain included below for you to download.

Each week, you will now get four tasks and a Friday problem-solving challenge linked to the BBC Bitesize home learning content. Instead of the mastery challenges (deep, deeper, deepest), we have included [links to BBC bitesize daily lessons](#).

Your child should also find that a lot of the recent maths is securing maths taught earlier this year. This is called *spaced-learning* and supports learning by returning to prior learning often, keeping it at the forefront of working memory instead of there being long gaps between specific topics. However, Y2 have done only a little work on measuring mass and volume and so this week's work will be a good focus. Please email lapwings@duxford.cambs.sch.uk if you have any questions.

This will be your last week of maths with me and I wanted to thank you for all your hard work this year. I hope you all have a wonderful summer and I wish you the best for Y3 – you deserve it.

Mr Lloyd



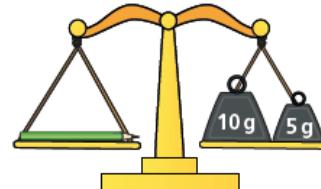
Aim High... Fly High...
White Rose lesson activities

White Rose lesson 1: measure mass g

Measure mass in grams

1 What is the mass of each object?

a)



The pencil has a mass of g.

b)



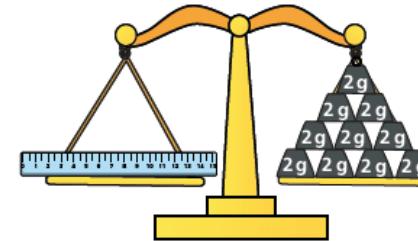
The teddy has a mass of g.

c)



The apple has a mass of g.

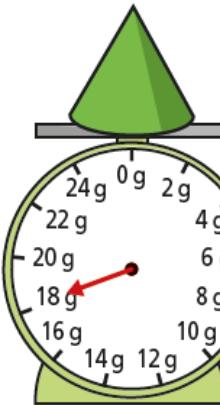
2 How many grams does the ruler weigh?



g

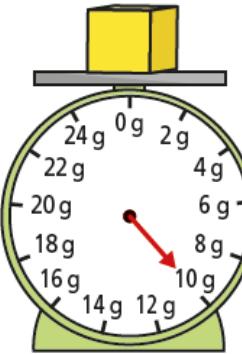
3 What is the mass of each 3D shape?

a)



g

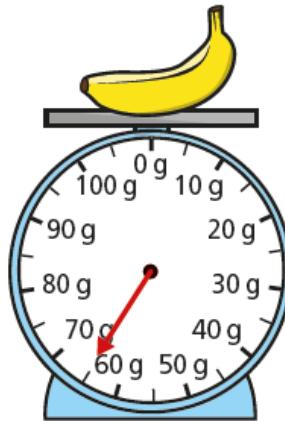
b)



g

4 What is the mass of each piece of fruit?

a)

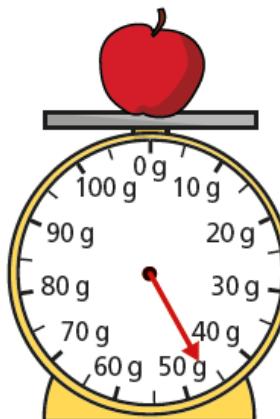

 g

b)

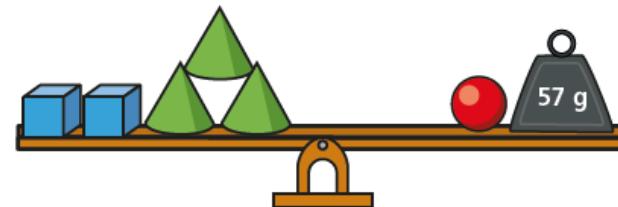
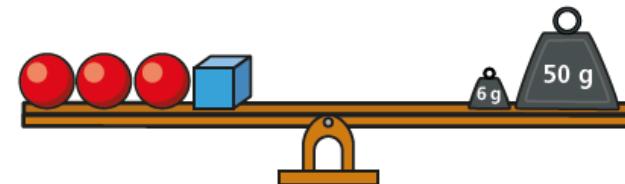
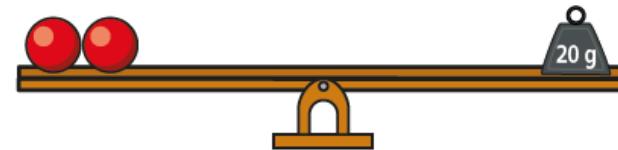

 g

c) Which piece of fruit is heavier? _____

5 Estimate the mass of the apple.

 g


6 Work out the mass of each 3D shape.



= g

= g

= g

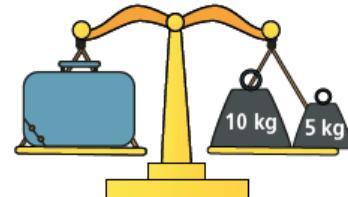
How did you work them out? Talk to a partner.

White Rose lesson 2: measure mass kg

Measure mass in kilograms

1 What is the mass of each object?

a)



The case has a mass of kg.

b)



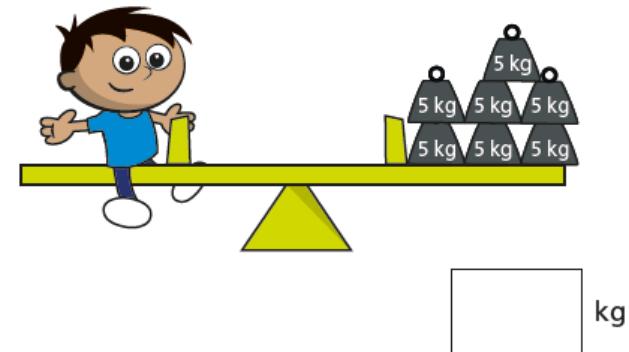
The robot has a mass of kg.

c)



The box of flour has a mass of kg.

2 How many kilograms does Amir weigh?



3



a) Circle the weights that will balance the scale.



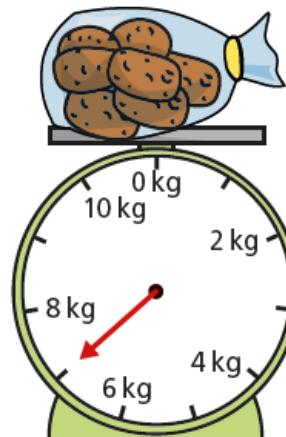
b) Find another way. Circle the weights.



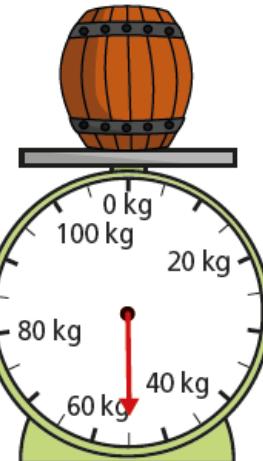
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- 4 What is the mass of each object?

a)



b)



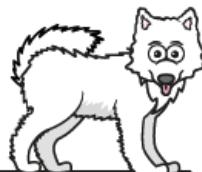
kg

kg

- 5 a) Mo weighs his dog in January and June.



January
15 kg



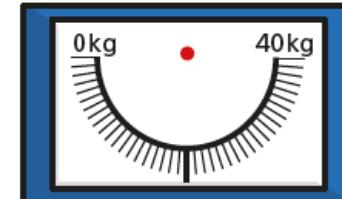
June
28 kg

How much heavier is the dog in June?

kg

- b) By December, the dog's weight has increased by another 10 kg.

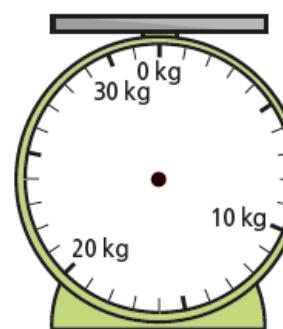
Draw an arrow to show the weight of the dog in December.



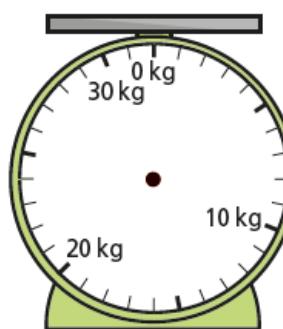
By December, Mo's dog weighs kg.

- 6 Mark the mass on each scale.

a) 15 kg



b) 27 kg





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White Rose lesson 3: compare volume

Compare volume

- 1 Here are three glasses.



A



B



C

- a) Which glass is empty? _____
- b) Which glass is half full? _____
- c) Which glass is full? _____

- 2 Tommy has some milk in a glass.



Circle all the glasses that have more milk than Tommy's.



- 3 Eva, Ron and Amir have some juice.



This is my juice.

Eva



Shade the glasses to show how much juice Ron and Amir could have.



I have more juice than Eva.

Ron



I have less juice than Eva.

Amir

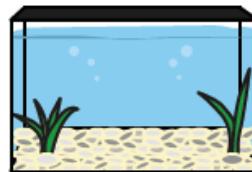
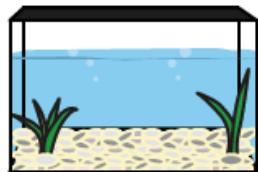


Compare answers with a partner.

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- 4** Which fish tank contains less water?

Tick your answer.



- 5** Tick the object with the greater capacity.



- 6** Tick the object with the greatest capacity.



- 7** Put these objects in order of how much water they can hold.

Start with the object that has the smallest capacity.



A

B

C

smallest

greatest

- 8** Whitney says B contains more water than A.



A

B

Why might Whitney think this?

What could she do to check?



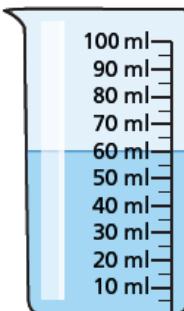
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White Rose lesson 4: volume ml

Millilitres

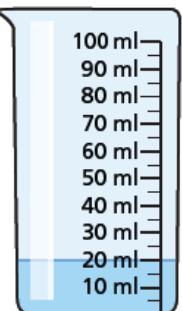
- 1 How much water is there in each beaker?

a)



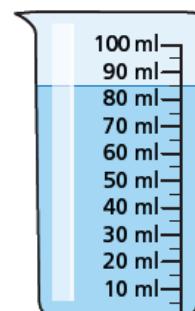
ml

c)



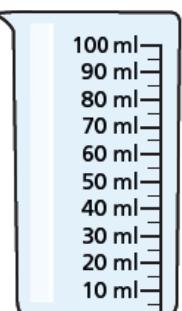
ml

b)



ml

d)



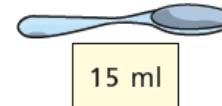
ml

- 2 Jack pours 12 ml of water into a measuring container.



Draw a line to show where the water reaches.

- 3 A teaspoon holds 5 ml.
A tablespoon holds 15 ml.



Work out the total capacity of the spoons.



ml



ml



ml

- 4 A recipe includes 45 ml of lemon juice.



Dora

I can
measure this using
a teaspoon.

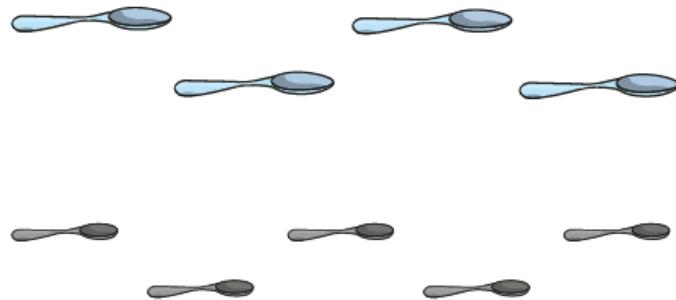
teaspoon 5 ml

tablespoon 15 ml

- a) How many teaspoons is 45 ml?

- b) Find another way of measuring 45 ml.

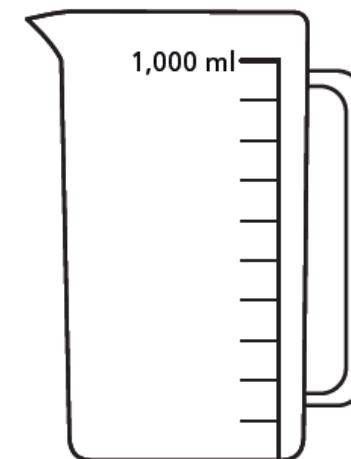
Circle your answer.



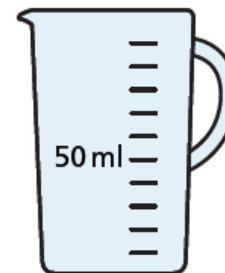
- 5 How can you work out
the capacity of an egg cup?
Talk about it with a partner.



- 6 Draw a line on the jug to show where 500 ml
of juice would reach.



- 7 Mo opens a can of drink.
He pours it all into a measuring jug.



Draw a line to show where the drink will reach.

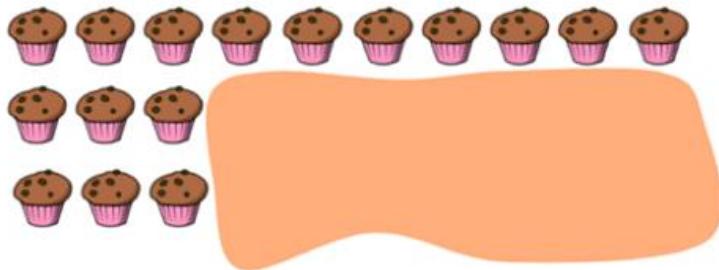


Aim High... Fly High...

Friday maths challenge

Challenge 1

30 cakes are arranged in an **array**. Some of the cakes are hidden.



How many cakes are hidden?

Challenge 2

Work out the missing numbers.

$$10 \times 2 = 5 \times \text{circle}$$

$$10 + 2 = 5 + \text{triangle}$$

$$10 \div 2 = 5 \div \text{square}$$

$$10 - 2 = \text{heart} - 5$$

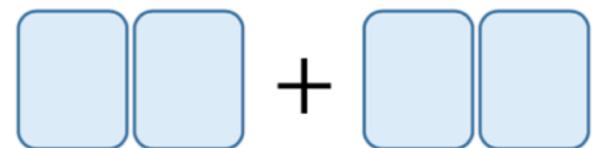
Challenge 3

Danni has these four digit cards.



Danni uses all four cards to make two 2-digit numbers.

She then adds the two numbers together.



What is the greatest total she can make?

[links to BBC bitesize daily lessons](#)

Lesson 1: [measure mass g](#)

Lesson 2: [measure mass kg](#)

Lesson 3: [compare volume](#)

Lesson 4: [volume ml](#)

Lesson 5: [Friday maths challenge](#)