

Year 3 Maths Lesson

22.1.21

Home Learning Powerpoint – If you have any problems, just send us a Dojo message.

On this maths powerpoint:

- 1 warm up activity
- 1 maths lesson



Remember – you can get Dojos for posting pictures of your work on Class Dojo!



Warm Up Activity 1.



Answers on the next slide. No peeking!

=

1

Which items would you measure in kilograms?
Which items would you measure in grams?

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2

What mass is the arrow showing on this scale?

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3

Which object is the heaviest?

A B

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4

How much does each object weigh?

A B

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5

Lizzie is making cakes. She needs 6kg of flour and 6kg of sugar.

Flour Sugar

How much more of each ingredient does she need?

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Warm Up Activity 1.




1

Which items would you measure in kilograms?
Which items would you measure in grams?

Grams:




Kilograms:



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2

What mass is the arrow showing on this scale?



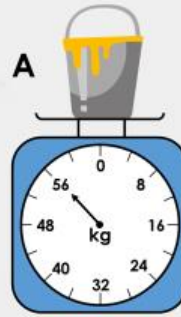
52g

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3

Which object is the heaviest?

A



B



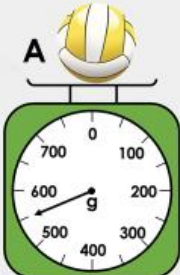
A = 56kg
B = 56kg
Neither because they weigh exactly the same.

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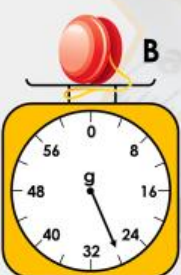
4

How much does each object weigh?

A



B




550g
28g

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5

Lizzie is making cakes. She needs 6kg of flour and 6kg of sugar.

Flour



Sugar



How much more of each ingredient does she need?

2kg of flour
4kg of sugar

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22.01.21

Write today's
date and
objective in your
home learning
book.

Can I solve word problems involving
weight?

Remember to be
proud of your work
and use your best
presentation

Today you are going to be solving word problems involving units of weight. **Don't forget $1000\text{g} = 1\text{ kg}$.** Try these!

$$1\text{ Kg} = \underline{\hspace{2cm}}\text{g}$$

$$2000\text{g} = \underline{\hspace{1cm}}\text{Kg}$$

$$2\text{Kg} = \underline{\hspace{2cm}}\text{g}$$

$$7000\text{g} = \underline{\hspace{1cm}}\text{Kg}$$

$$5\text{Kg} = \underline{\hspace{2cm}}\text{g}$$

$$6500\text{g} = \underline{\hspace{1cm}}\text{Kg}$$

$$8\text{Kg} = \underline{\hspace{2cm}}\text{g}$$

$$8900\text{g} = \underline{\hspace{1cm}}\text{Kg}$$

$$4\text{Kg} = \underline{\hspace{2cm}}\text{g}$$

$$3600\text{g} = \underline{\hspace{1cm}}\text{Kg}$$

$$4.5\text{Kg} = \underline{\hspace{1cm}}\text{g}$$

$$2300\text{g} = \underline{\hspace{1cm}}\text{Kg}$$

$$6.7\text{Kg} = \underline{\hspace{1cm}}\text{g}$$

$$4700\text{g} = \underline{\hspace{1cm}}\text{Kg}$$

Remember 1 Kilogram is 1000 grams.

$$1 \text{ Kg} = \underline{1000} \text{ g}$$

$$2 \text{ Kg} = \underline{2000} \text{ g}$$

$$5 \text{ Kg} = \underline{5000} \text{ g}$$

$$8 \text{ Kg} = \underline{8000} \text{ g}$$

$$4 \text{ Kg} = \underline{4000} \text{ g}$$

$$4.5 \text{ Kg} = \underline{4500} \text{ g}$$

$$6.7 \text{ Kg} = \underline{6700} \text{ g}$$

$$2000 \text{ g} = \underline{2} \text{ Kg}$$

$$7000 \text{ g} = \underline{7} \text{ Kg}$$

$$6500 \text{ g} = \underline{6.5} \text{ Kg}$$

$$8900 \text{ g} = \underline{8.9} \text{ Kg}$$

$$3600 \text{ g} = \underline{3.6} \text{ Kg}$$

$$2300 \text{ g} = \underline{2.3} \text{ Kg}$$

$$4700 \text{ g} = \underline{4.7} \text{ Kg}$$

Remember 1 Kilogram is 1000 grams.

Yesterday you were using a written method to add and subtract units of weight.

Remember the methods you have learned in class.

			T	U			
		=	4	8			
		+	3	8			
			8	6			

Addition

				T	U			
				9	¹ 4			
		-		2	6			
				6	8			

Subtraction

Remember the methods you have learned in class.

							T	U			
					=		4	8			
						+	3	8			
							8	6			

Addition

					T	U					
					8	¹ 4					
				-	2	6					
					6	8					

Subtraction

Let's have a go at a couple together first

1. Joe eats 50g of chocolate in the morning and 45g in the afternoon. How much chocolate did Joe eat in one day?

$$50g + 45g = 95g \quad \longrightarrow \quad \begin{array}{r} 50 \\ + 45 \\ \hline 95g \end{array}$$

2. A cook has 2kg of potatoes. She uses 1250g to make some mashed potato. What weight of potato is left?

$$2kg = 2000g \quad 2000 - 1250 = 750g \quad \begin{array}{r} 2000 \\ - 1250 \\ \hline 750g \end{array}$$

Now it is your turn to have a go. Choose either the easier or the harder problems (on the next few slides) to have a go at. Make sure you read each question carefully.

Solve weight word problems (Easier)

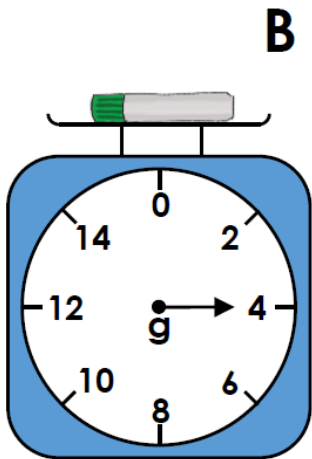
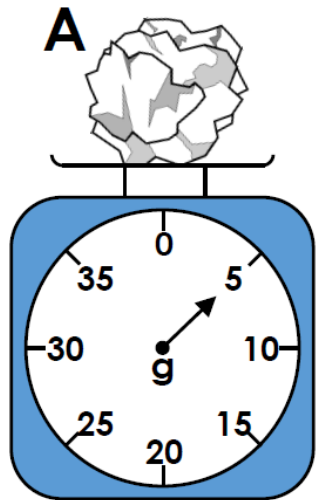
1. A gardener has a bag of compost with 20Kg. He uses 9 Kg. How much compost does he have left?
2. Mum buys 50g of sweets and dad buys 30g of sweets. How many grams of sweets did they buy altogether?
3. A packet holds 5g of butter. There are six packets of butter on the table. How much butter is there on the table in total?
4. A lift can take a maximum of 80Kg at one time. A bag of potatoes weighs 10Kg. How many bags of potatoes can the lift take at one time?
5. A water-melon weighs 7Kg and a yellow melon weighs 2Kg. How much heavier is the water-melon than the yellow melon?
6. A person eats 40g of chocolate in one day and 50g of chocolate the next day. How much chocolate do they eat over the two days?
7. A cook has 50Kg of vegetables. He uses 20Kg. How many Kg of vegetables does he have left?
8. Max has 50g of sweets. He eats them over 10 days, eating the same amount each day. How many grams of sweets does he eat each day?
9. A plastic cube weighs 2g. How much would 8 plastic cubes weight?
10. A man weighs 70Kg one month and 72Kg the next month. How much lighter was the man in the first month?

Solve weight word problems (Harder)

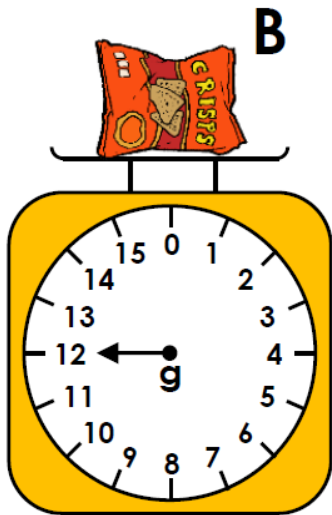
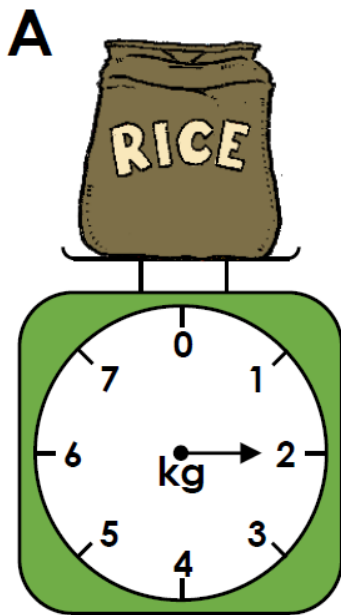
1. A child makes a bridge. The bridge can support 100g. The child puts a 40g book and a 20g comic on the bridge. How much more weight could the bridge hold?
2. A boxer weighs 90Kg at a weigh in. The boxer needs to weigh 80Kg for the fight. The boxer loses 12Kg. How many Kg can he regain before the fight?
3. Homer Simpson decides to eat so much he becomes too fat to work. He weighs 100Kg and needs to get to 300Kg. He puts on 100Kg. How much more weight does he need to gain?
4. A gardener has bags of compost, each one holding 10Kg. He has 5 bags. He uses 5 Kg. How much compost does he have left?
5. There are 400g of sweets. The sweets are divided equally between 4 people. One of them eats 80 grams of his sweets. How many grams of sweets will he have left?
6. A packet holds 6g of butter. There are six people coming to breakfast and there is one packet of butter for each of them. One of them does not use her butter. How much butter is left on the table?
7. A lift can take a maximum of 300Kg at one time. The delivery-man weighs 100Kg. A bag of sugar weighs 2Kg. How many bags of sugar can the lift take with the man?
8. A person eats 100g of chocolate a month, except for one month when they have no chocolate. How much chocolate do they eat in a year?
9. A cook uses 5Kg of vegetables a day. His cafe is closed on Sundays. How many Kg of vegetables does he use in a fortnight?
10. 5 friends have 200g of sweets to share. They decide to save 100g for later and share the rest equally to eat now. How much will each of them get?

Challenges (easier)

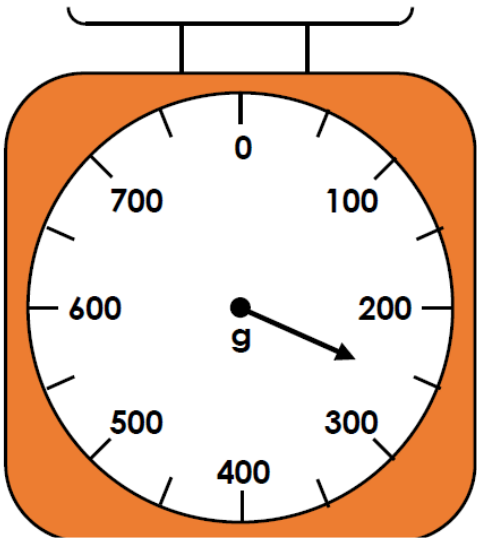
2a. Which object is the heaviest?



3b. How much does each object weigh?

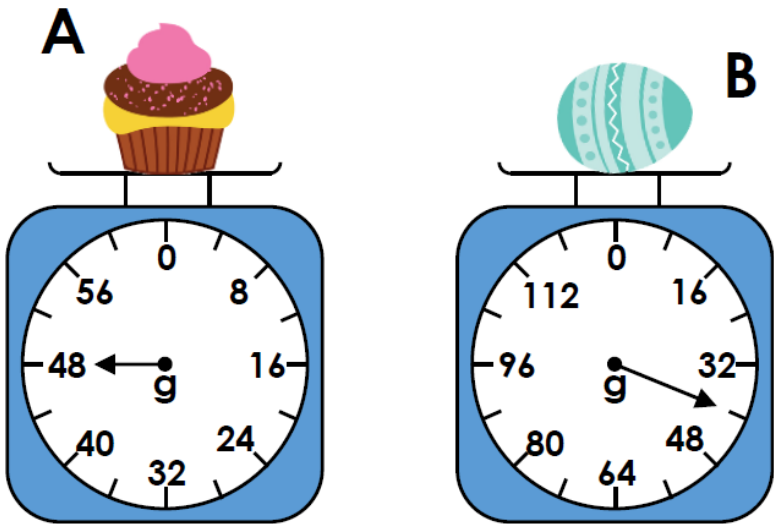


4b. What mass is the arrow showing on this scale?



Challenges (harder)

5a. Which object is the heaviest?



6a. How much does each object weigh? 7a. What mass is the arrow showing on this scale?

