

# Year 3 Maths Lesson

18.1.21

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.



Practise your doubling and halving of numbers to 50.

## Easier

1. Double 3 =
2. Double 5 =
3. Double 7 =
4. Double 10 =
5. Double 8 =
6. Double 12 =
7. Double 16 =
8. Double 22 =
9. Double 25 =
10. Double 33 =

1. Half of 4 =
2. Half of 8 =
3. Half of 6 =
4. Half of 10 =
5. Half of 12 =
6. Half of 14 =
7. Half of 20 =
8. Half of 24 =
9. Half of 30 =
10. Half of 38 =

## Harder

18.01.21

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

Can I read weighing scales with  
different intervals?

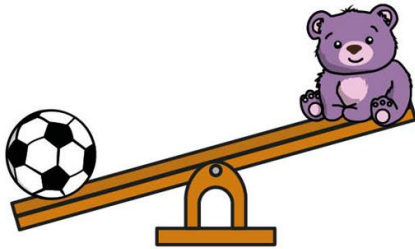
Remember to be  
proud of your work  
and use your best  
presentation

# Before we begin today's lesson on weight, quickly recap on your learning from year 2 to see what you can remember.

## Compare mass

- 1 Use the words **heavier** or **lighter** to complete the sentences.

a)



The ball is heavier than the teddy.

1 b)



The tiger is heavier than the lion.

c)



The pear is lighter than the apple.

The apple is heavier than the pear.

2 Tick the heavier object on each scale.

a)

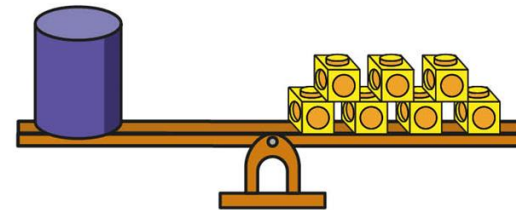


b)



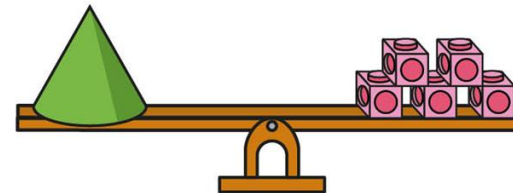
3 What is the mass of each object?

a)



7 cubes

b)



5 cubes

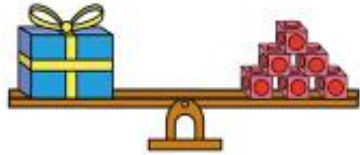
c) Which object is heavier?

cylinder

4 Which object is heavier?

Tick your answer.

a)



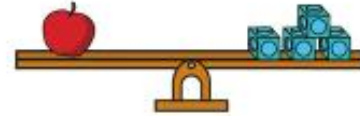
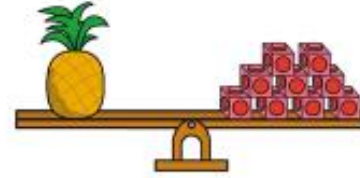
x



or



4 b)

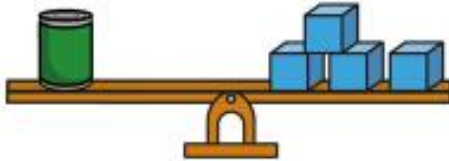


x

or



Dora balances a tin with blocks.



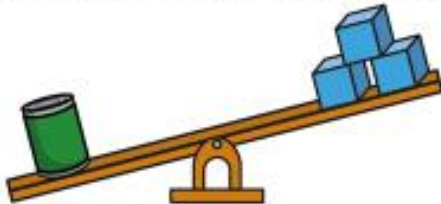
a) Complete the sentence.

1 tin has the same mass as

4

blocks.

b) Explain why these scales do not balance.



Because there are only three  
blocks on the weighing scales



Today's lesson looks at weight. Measuring weight accurately is important in activities such as cooking.

What is mass a measurement of?



What units  
can we  
measure mass  
in?



Mass is a measure of  
weight.

We measure weight in  
Kilograms and grams. We  
can convert between units  
of measure for weight.

$$1 \text{ kg} = 1000\text{g}$$

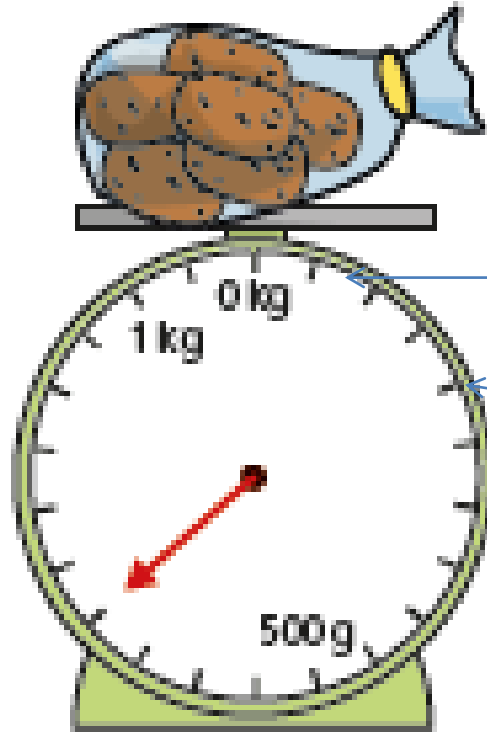
$$1000\text{g} = 1\text{Kg}$$

Watch this lesson from Oak Academy on reading weighing scales with different intervals. Watch it up to 13 minutes 29 seconds as this is sufficient enough for today.

<https://classroom.thenational.academy/lessons/reading-weighing-scales-with-different-intervals-c4rk6c?activity=video&step=1>

Let's quickly recap.

We measure mass in grams and kilograms.



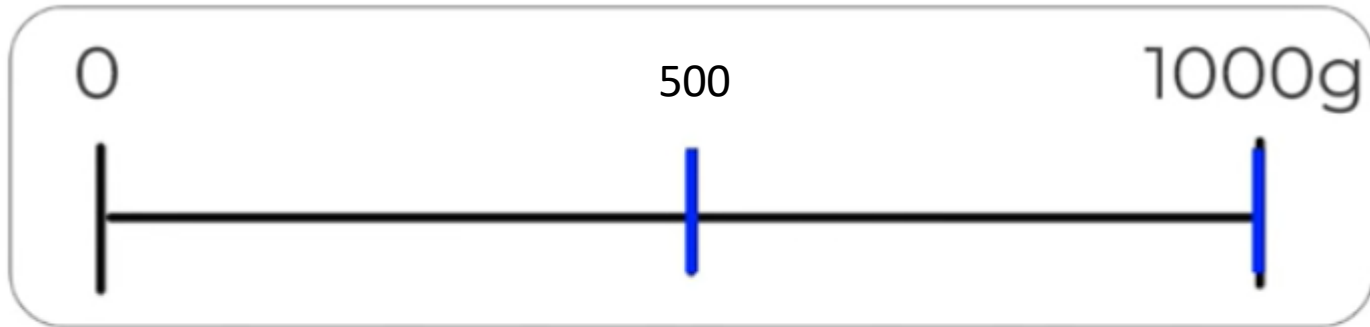
It is important to read the scale carefully.

What does each individual interval stand for?

It stands for 50 g.

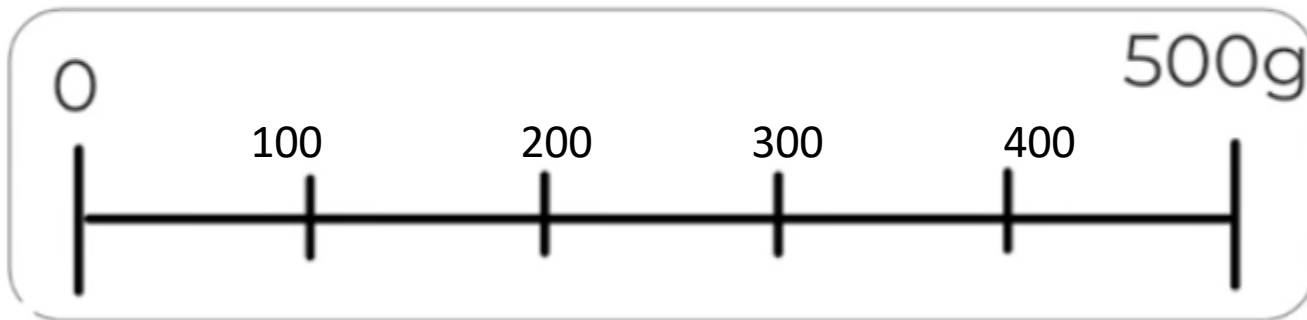
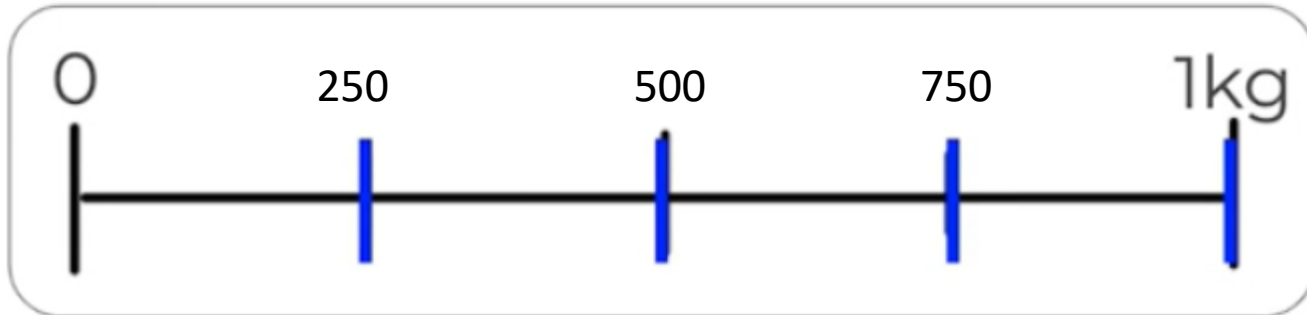
The potatoes weigh 700 grams

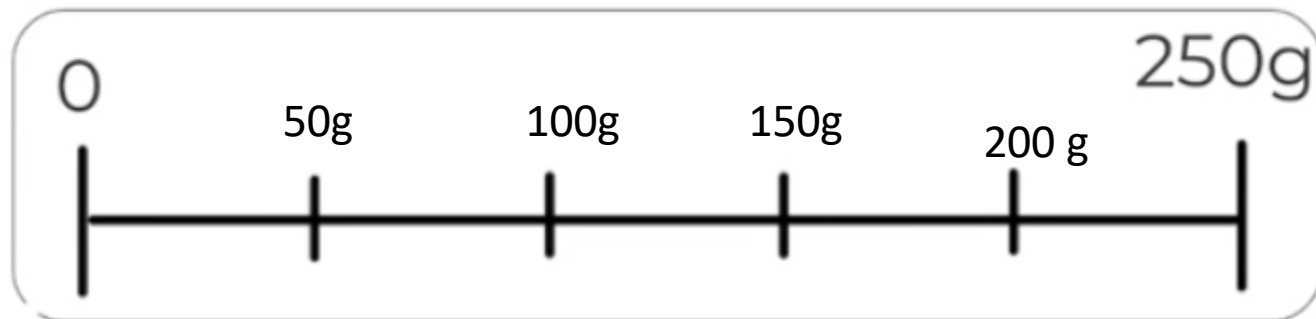
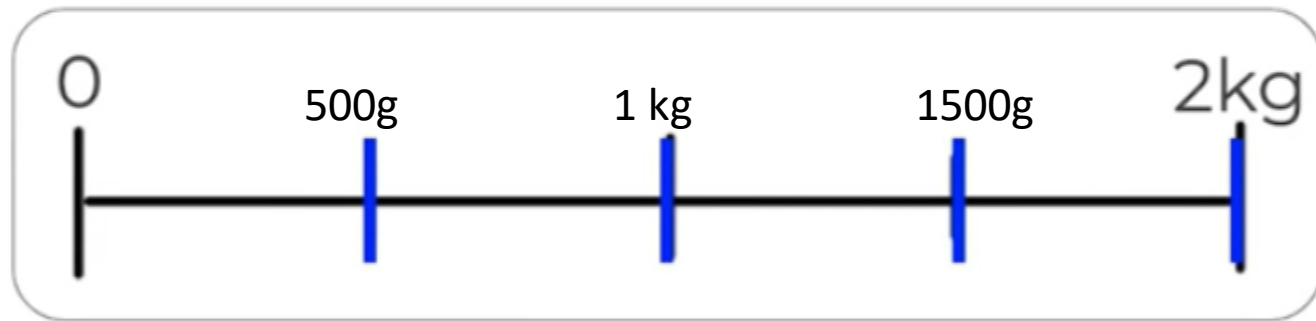
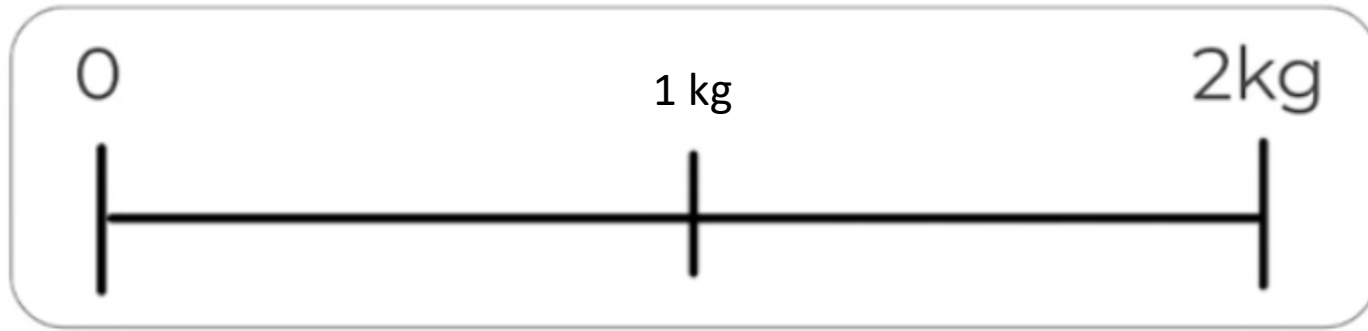
Have a go at the ones on the next few slides before having a go on your own.



See if you can work out the value of the intervals in t

Remember to work out the number of intervals.

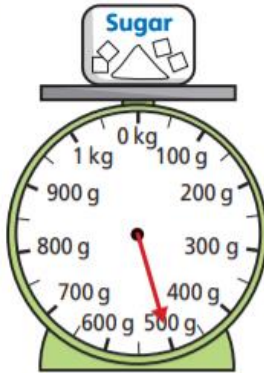




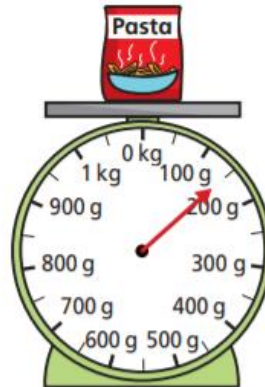
Now have a go at the worksheet on the next few slides. Print it off if you have a printer or answer each question in your home learning book.

1 What is the mass of each object?

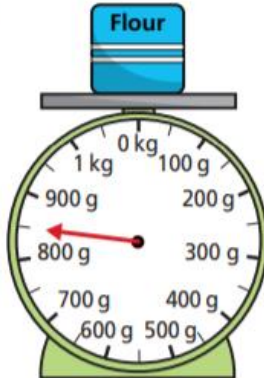
a)



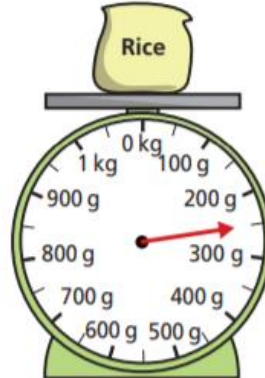
c)



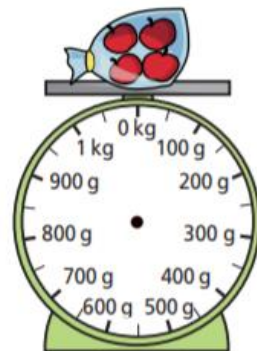
b)



d)

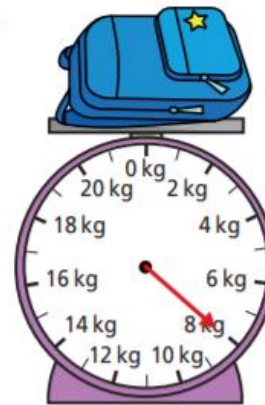


2 Tom weighs some apples.  
The apples weigh 650 g in total.  
Draw an arrow on the scales to show the weight of the apples.

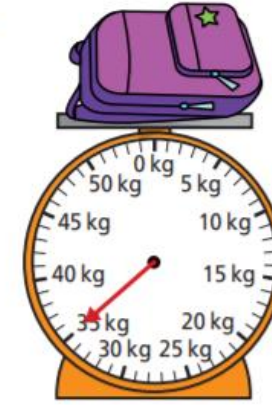


3 What is the mass of each bag?

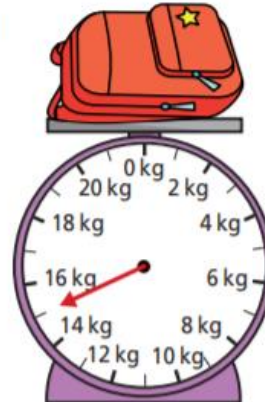
a)



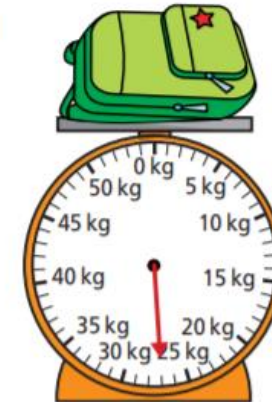
c)



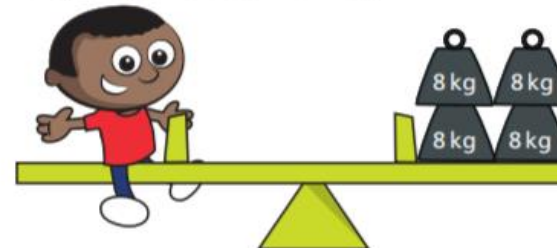
b)



d)

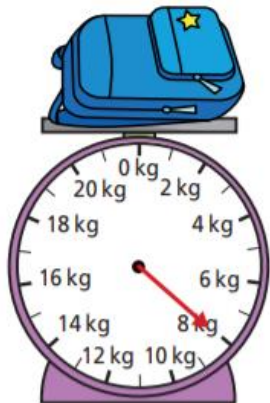


4 How many kilograms does Mo weigh?

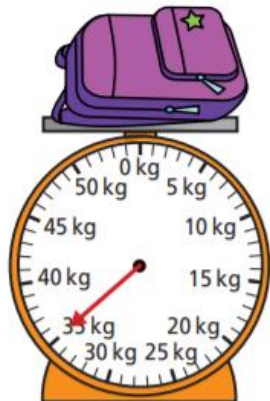


3 What is the mass of each bag?

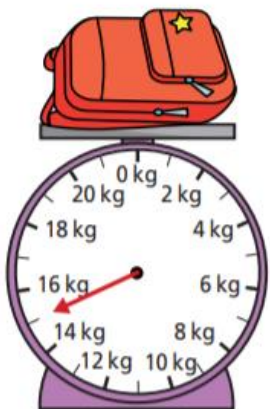
a)



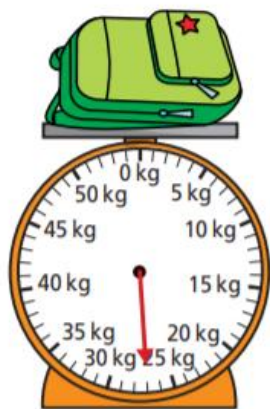
c)



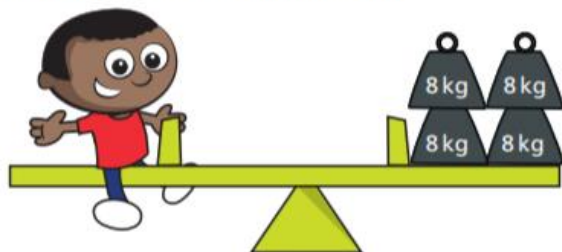
b)



d)

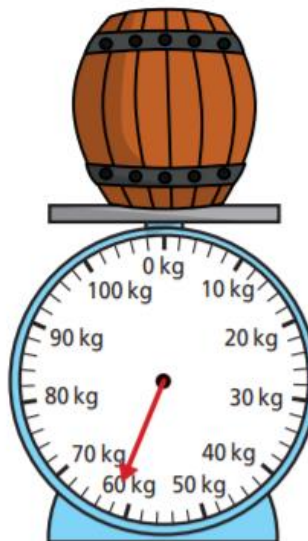


4 How many kilograms does Mo weigh?

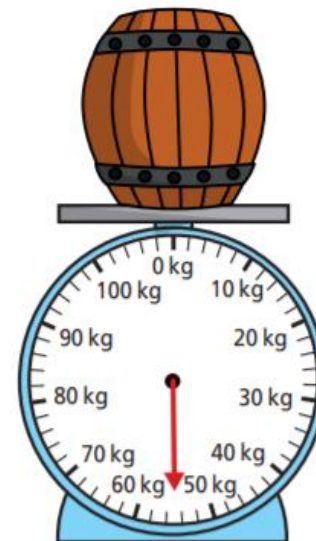


5 What is the mass of each barrel?

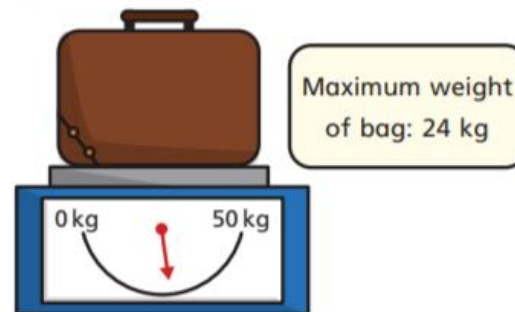
a)



b)



6 The Khan family is going on holiday.  
Their luggage is weighed at the airport.



Can the family take this suitcase with them?  
Why do you think this?



Name : \_\_\_\_\_

Score : \_\_\_\_\_

# Measuring Weight - Metric Units

ES1

Measure the weight of each object.

1)



\_\_\_\_\_ kg

2)



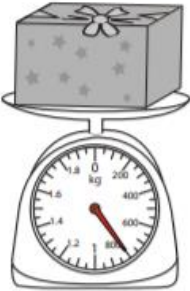
\_\_\_\_\_ g

3)



\_\_\_\_\_ kg

4)



\_\_\_\_\_ g

5)



\_\_\_\_\_ kg

6)



\_\_\_\_\_ kg

7)



\_\_\_\_\_ g

8)



\_\_\_\_\_ kg

9)



\_\_\_\_\_ kg

An additional sheet if you need more practice.

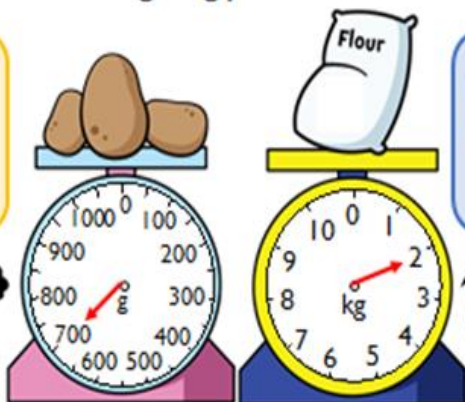


# Challenges



Three children are weighing potatoes and flour.

The flour weighs more because 2 kg is more than 700 g.



The flour weighs less because 2 is less than 700



The potatoes weigh more because the arrow is further than the arrow on the flour scale.

Who do you agree with? Explain your answer.



The chocolate bar weighs 100 g.

How much does one muffin weigh?



How much does each side weigh?