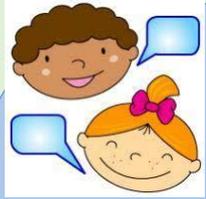


Tuesday 02.03.21

I can compare weight and mass



Count backwards from 30 to 0

.

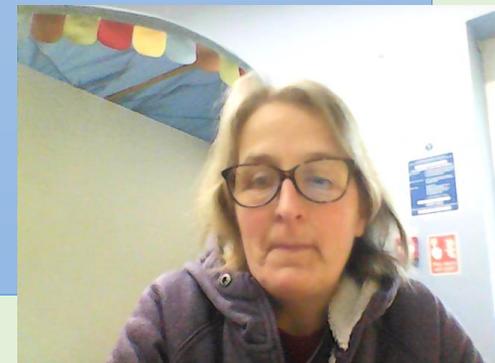


One less than 16 is

15

One less than 9 is

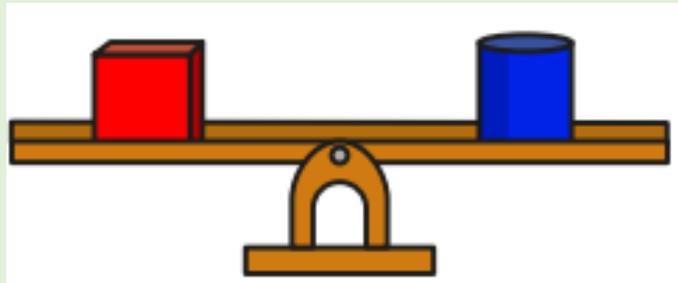
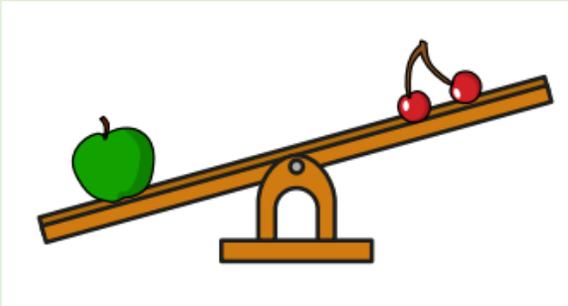
8



To compare weight and mass

Which is heavier ...?
Which is lighter...?

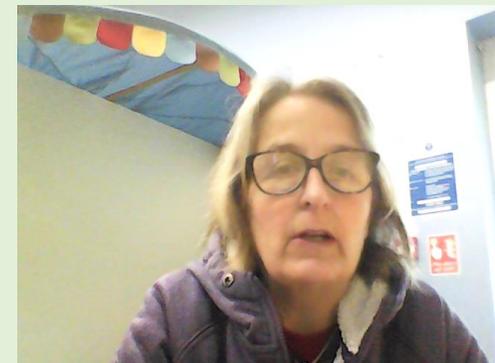
When we compare mass, we have to decide which is heavier or lighter, which weighs more or which weighs less, which item has the most mass or the lightest mass.



The object that is 'down' is heaviest – it has the largest mass. It will weigh more in grams.

The object that is 'up' is lightest – it has the smallest mass. It will weigh less in grams.

If the balance scale is level, both objects have the same mass. They weigh the same.

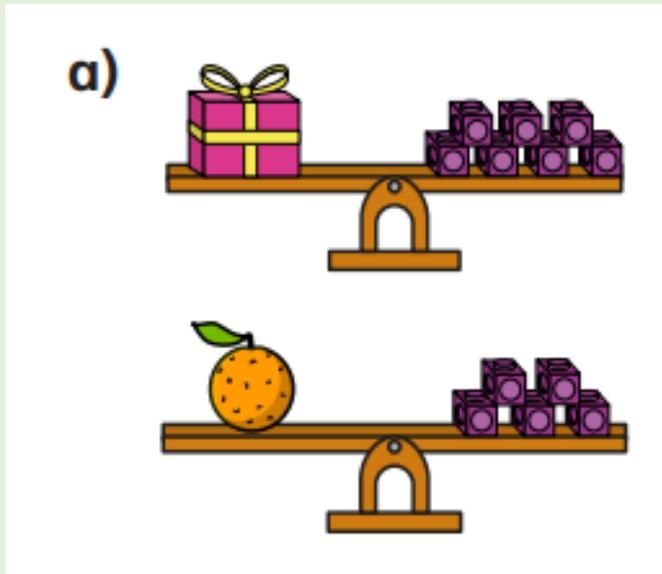


To measure weight and mass

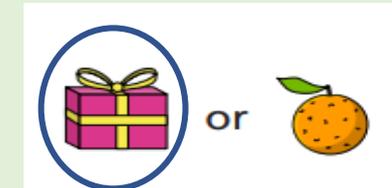
How heavy is...
How much does the ball weigh?

Let's compare these objects together.
Which is heavier – the gift or the orange?
How can we find out?

First we need to find out how
much each object weighs, what the
mass is.



The gift weighs 7 cubes.



The orange weighs 5 cubes.

weight

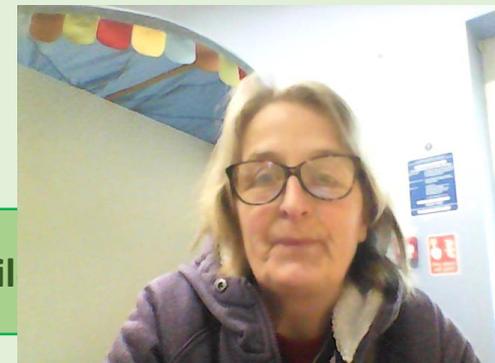
mass

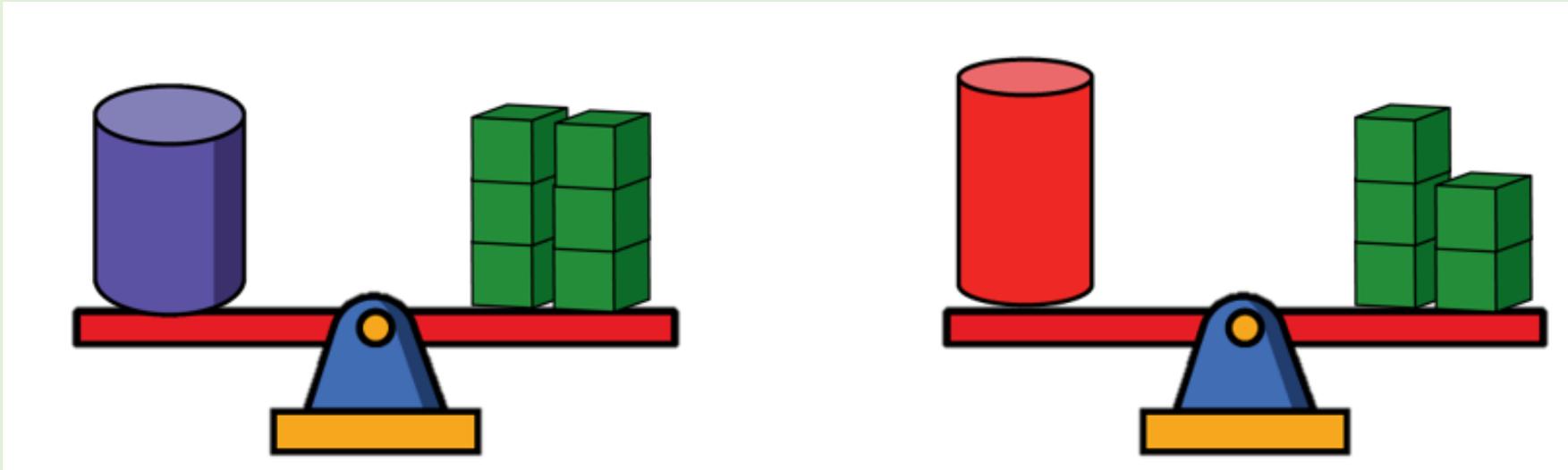
heaviest/heavier than

lightest/lighter than

balance scales

grams/kil



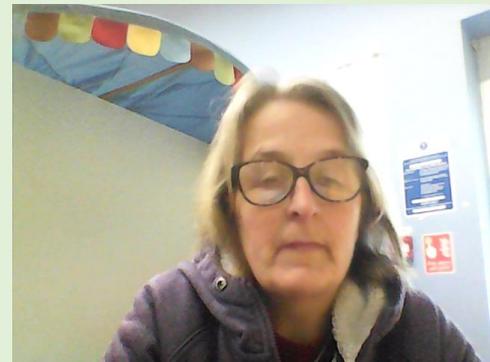


Which is heavier – the blue cylinder or the red cylinder?
The red cylinder is taller – does this mean it is heaviest?

What do we need to do?

Count the cubes to find out what each weighs.

Blue cylinder = 6 cubes
Red cylinder = 5 cubes





Independent Learning: Choose one of the first 2 challenge boxes. Yr2 should attempt Box 2. Record your answers in your books or on the sheet. Continue to complete one of the challenge questions from the 3rd box.



Tuesday 2nd March 2021
I can compare weight and mass

1. Which object is heavier? Count the cubes to find out.

a) or

b) or

c) or

2. Look at the scales. Count how many cubes each fruit weighs and record underneath each scale. Then choose a word to complete each sentence.



heavier lighter

- The orange is _____ than the cherries.
- The apple is _____ than the orange.
- The cherries are _____ than the apple.
- The apple is _____ than the cherries.

3. The basketball is heavier than the football. Draw cubes to complete the scales.



Is there more than one answer?

Explain why.



Tuesday 2nd March 2021
I can compare weight and mass

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

- a) The ball is _____ than the teddy.
- b) The _____ than the _____.
- c) The apple is _____ than the pear.
The pear is _____ than the apple.

2. Circle the heavier item on each scale.

- a) b)
3. What is the mass of each object?
- a) b)

4. Circle the lightest object.

or

or or or



6a. Ted weighs objects. He says,

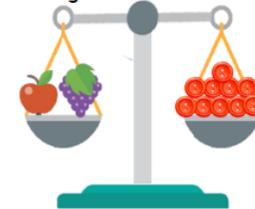


I think adding another jewel will balance the scale.



Is he correct? Explain your answer.

5a. The apple and the grapes weigh 10 buttons altogether.



Find 3 possible combinations for the mass of the apple and the grapes.



True or false?
Explain your answer.

5a. Look at the scales below.



Use one fruit from each scale above to make the scale below correct. Which fruit can replace each letter?



6a. Simon looks at the fruit on the scales above. He writes,

The mass of two strawberries < the mass of the pear.



Is he correct? Explain your answer.

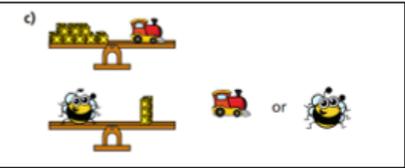
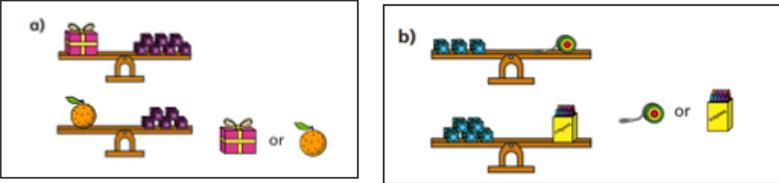


Challenge 1

Tuesday 2nd March 2021

I can compare weight and mass

1. Which object is heavier? Count the cubes to find out.



2. Look at the scales. Count how many cubes each fruit weighs and record underneath each scale. Then choose a word to complete each sentence.



heavier

lighter

- The orange is _____ than the cherries.
- The apple is _____ than the orange.
- The cherries are _____ than the apple.
- The apple is _____ than the cherries.

3. The basketball is heavier than the football. Draw cubes to complete the scales.



Is there more than one answer?

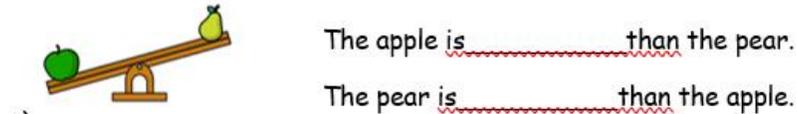
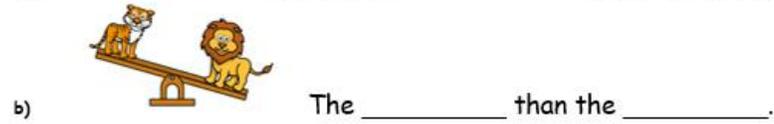
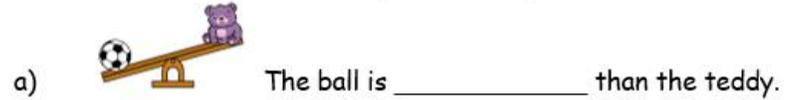
Explain why.

Challenge 2

Tuesday 2nd March 2021

I can compare weight and mass

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



2. Circle the heavier item on each scale.



3. What is the mass of each object?



4. Circle the lightest object.

