Dear Parents/Carers,
This powerpoint takes the children through the learning sequence. If possible please talk through the slides with your child and check their understanding. The slides start at a basic level to re-cap previous learning.

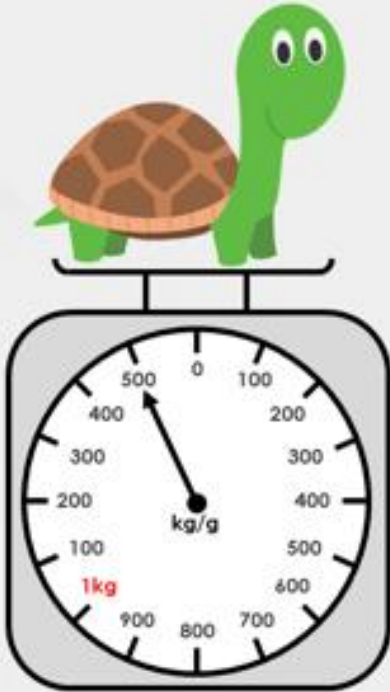# Mass, Capacity and Temperature

6.5.20

6.5.20

LO: I can compare mass

Starter

Find the mass of these animals and complete the sentences below.
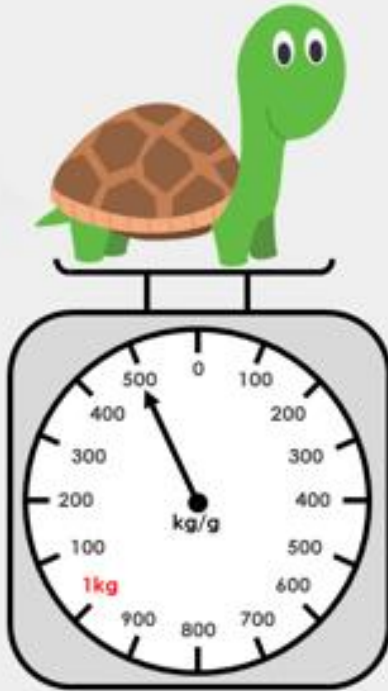

The tortoise weighs _____ kg _____ g

The crab weighs _____ kg _____ g

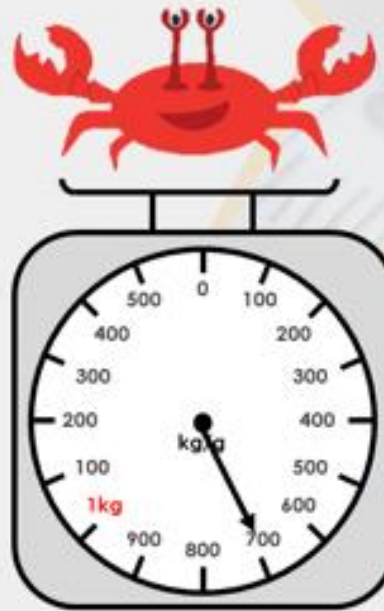Discuss with an adult what the mass of each object is. Write the sentences in your book.

Starter - answer

Find the mass of these animals and complete the sentences below.

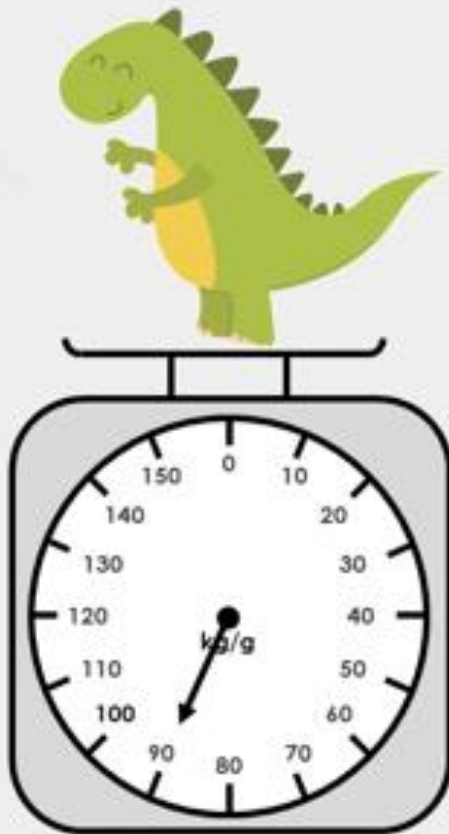The tortoise weighs 1 kg 500 g

The crab weighs 0 kg 700 g

Y3

Remember there is 1000g in a kg.

Mass means how heavy an object is.

Descriptive Teaching

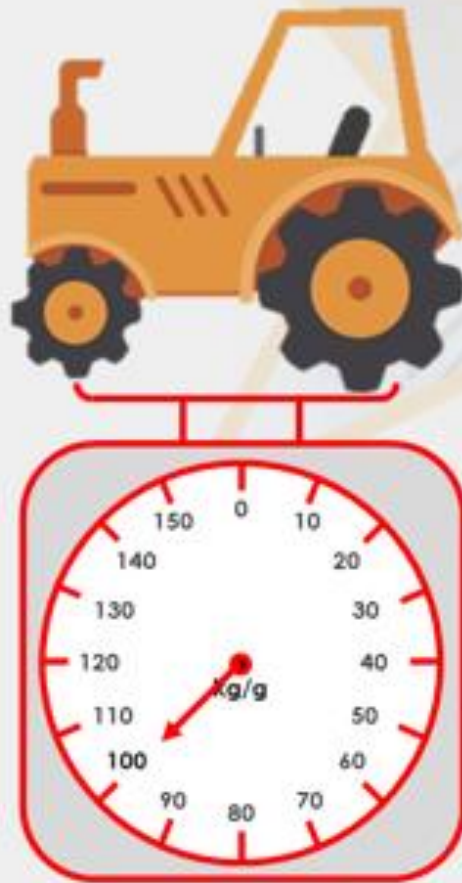True or false? The tractor is heavier than the dinosaur.

Tell an adult your answer and explain why.

Descriptive Teaching - Answer

True or false? The tractor is heavier than the dinosaur.
True

The tractor is heavier because it weighs 100g and the dinosaur weighs 90g.

Descriptive Doing

Which object is the heaviest if one marble weighs 20g?

In the first set of scales there are 6 marbles (each weighing 20g) and in the second set of scales there are 3 marbles (each weighing 20g).

Descriptive Doing - Answer

The orange is the heaviest because the scales balance and the weight of the marbles is 120g.
When the scales balance it means that both objects are of equal weight.

Which object is the heaviest if one marble weighs 20g?
The orange

120g

60g

Reflective Teaching

Use < or > to compare the weights.

300g ☐ 4kg

If there are 1000g in 1kg how many grams are there in 4kg?

Reflective Teaching - Answers

Use < or > to compare the weights.

300g < 4kg

In 4kg there are 4000g, therefore 300g is less than 4kg.

Reflective Doing

Which is heavier?

275g   2kg

Use the same method as before, tell an adult your answer.

Reflective Doing - Answers

Which is heavier?

275g

2kg

There are 2000g in 2kg, therefore 2kg is heaver than 275g.

Independent work

The following slides are questions for you to work through independently.

There are 3 sets of work - 1 chili (the easiest), 2 chilies, 3 chilies (the hardest). Choose one set you feel most comfortable with.

Independent work
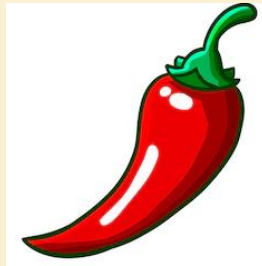
1a. True or false? The calculator is heavier than the paints.
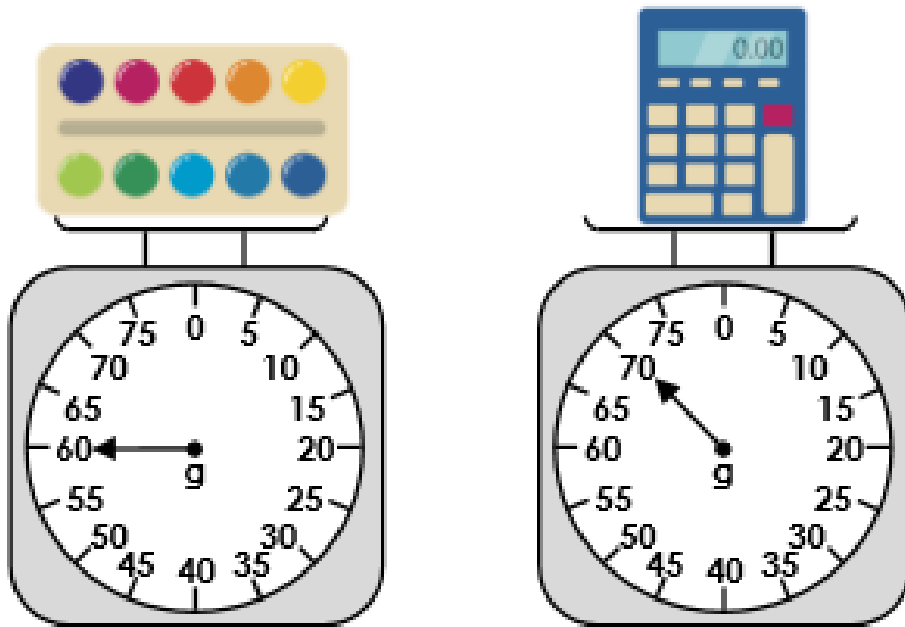
3 VF

1b. True or false? The marbles are lighter than the snow globe.

3 VF
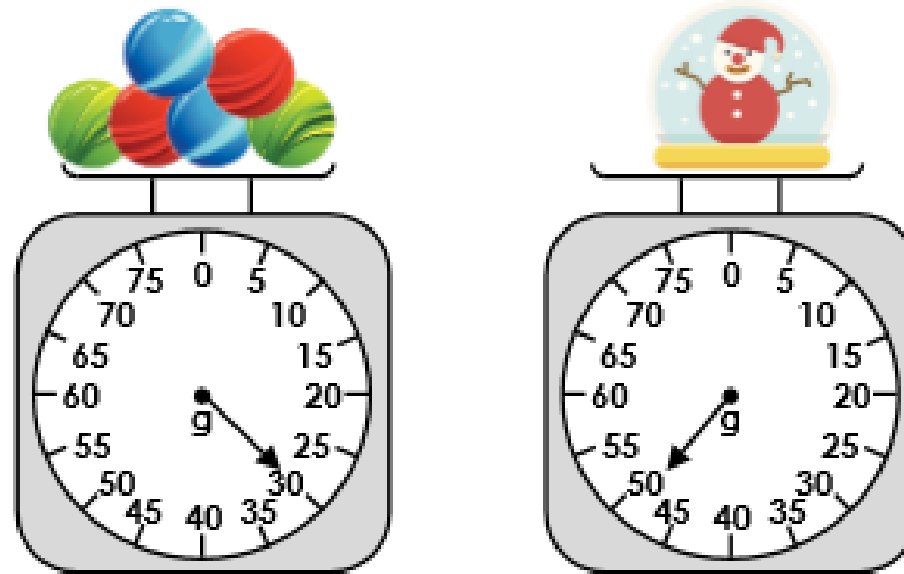
Independent work

2a. Which object is the heaviest if one strawberry weighs 10g?
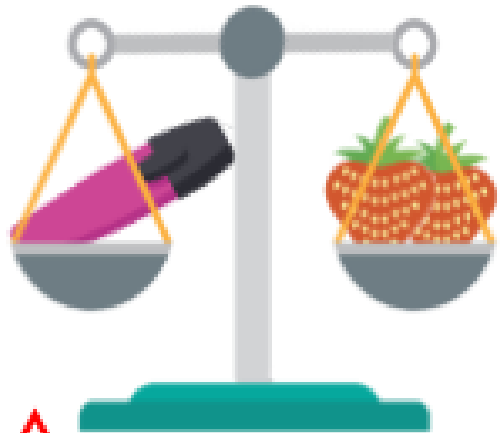
2b. Which object is the heaviest if one yoyo weighs 20g?

Independent work

3a. Use < or > to compare the weights.

30g ☐ 50g

3   VF

3b. Use < or > to compare the weights.

12g ☐ 21g

3   VF
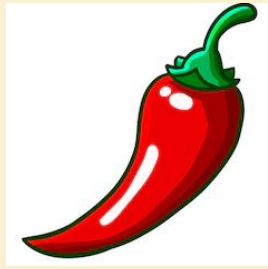
Independent work

4a. Which is lighter?

400g

700g

3   VF

4b. Which is heavier?

800g

200g

3   VF
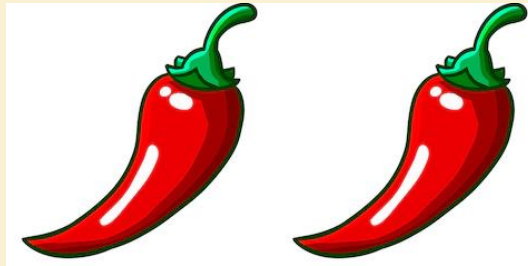
Independent work

5a. True or false? The carrots are heavier than the keyboard.
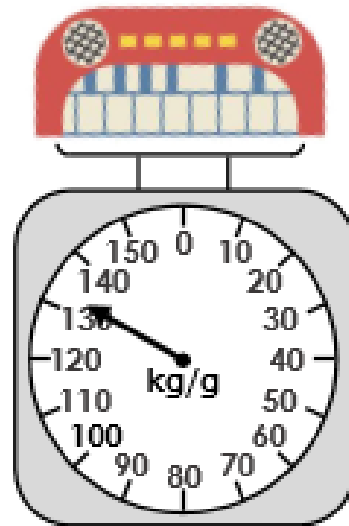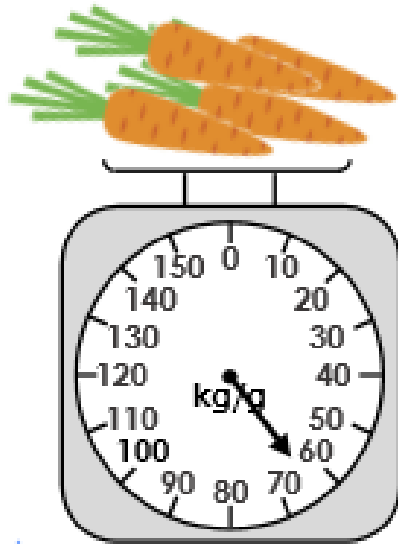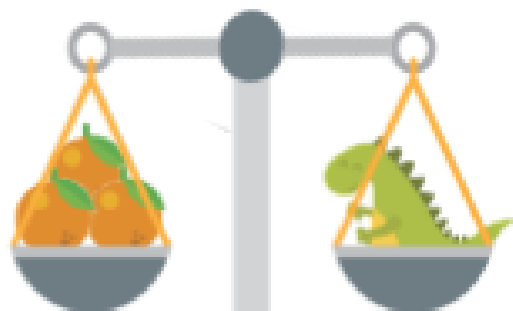
5b. True or false? The drum is lighter than the pineapple.
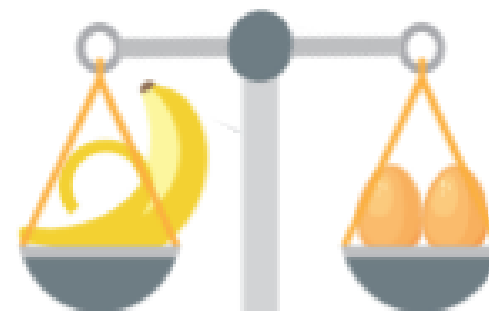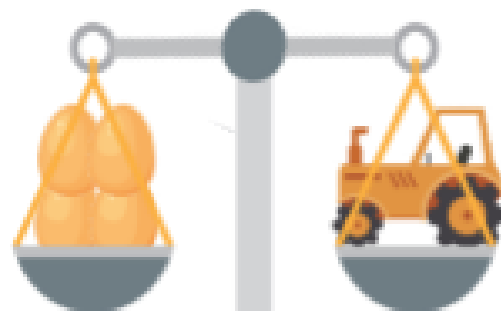
3   VF

3   VF
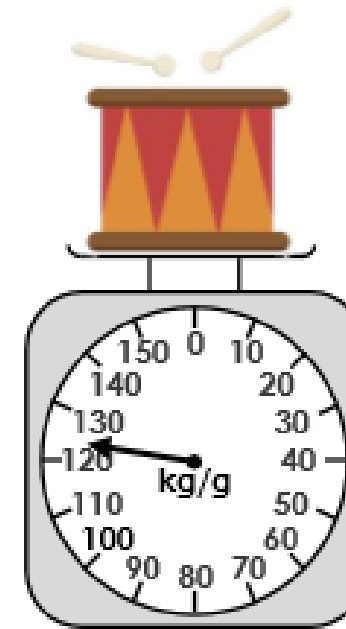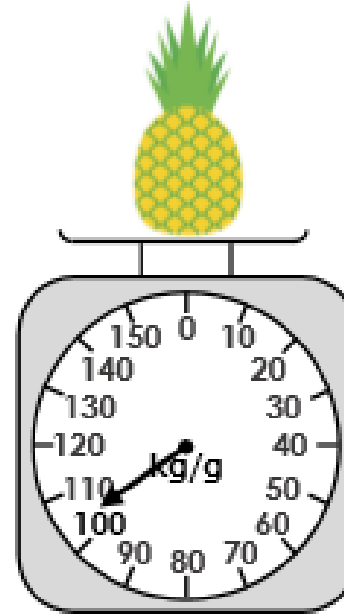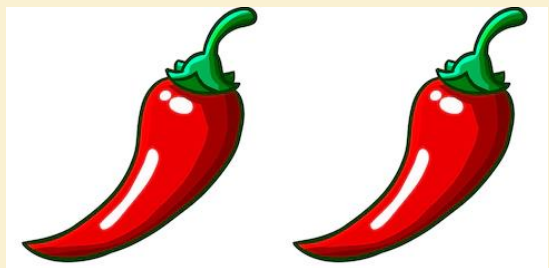
Independent work

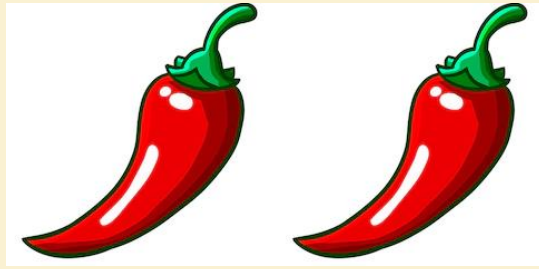

6a. Which object is the heaviest if one orange weighs 65g?

6b. Which object is the lightest if one egg weighs 55g?

Independent work

7a. Use < or > to compare the weights.

555g ☐ 5kg

7b. Use < or > to compare the weights.
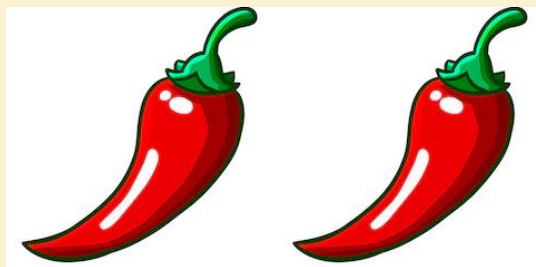
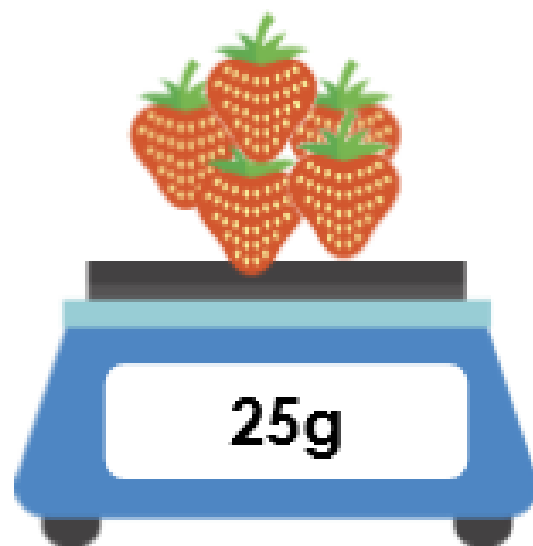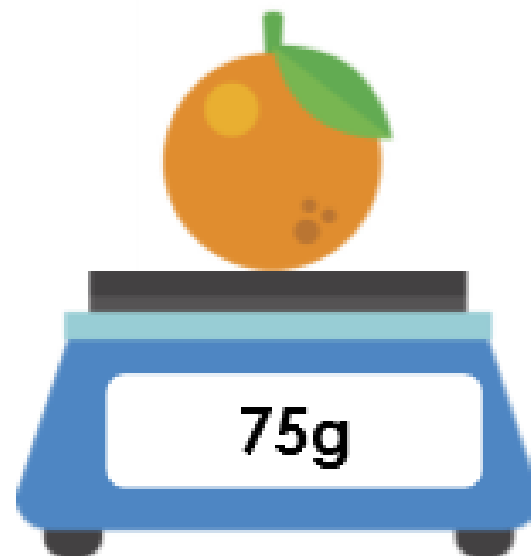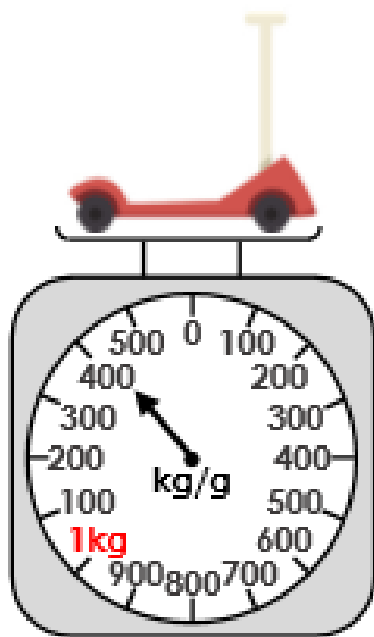2kg ☐ 225g

Independent work

8a. Which is lighter?

25g 1kg

8b. Which is heavier?
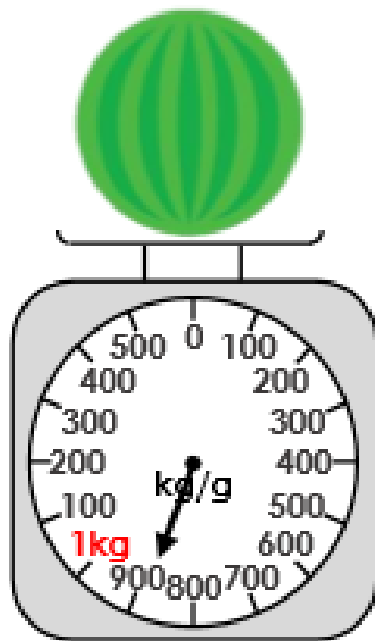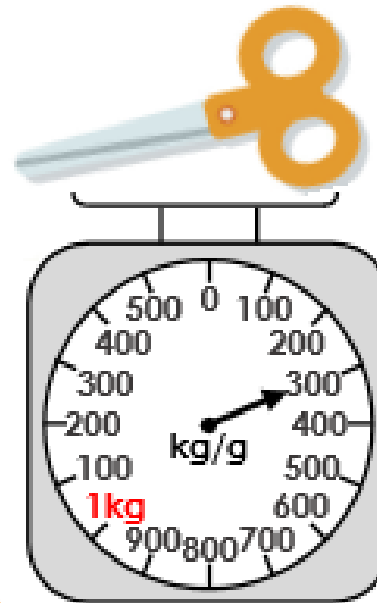

75g 500g

Independent work

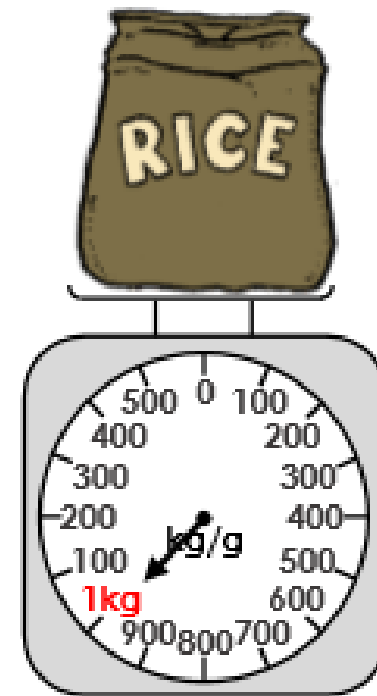## 9a. True or false? The scooter is heavier than the watermelon.

3   VF

9b. True or false? The scissors are lighter than the bag of rice.
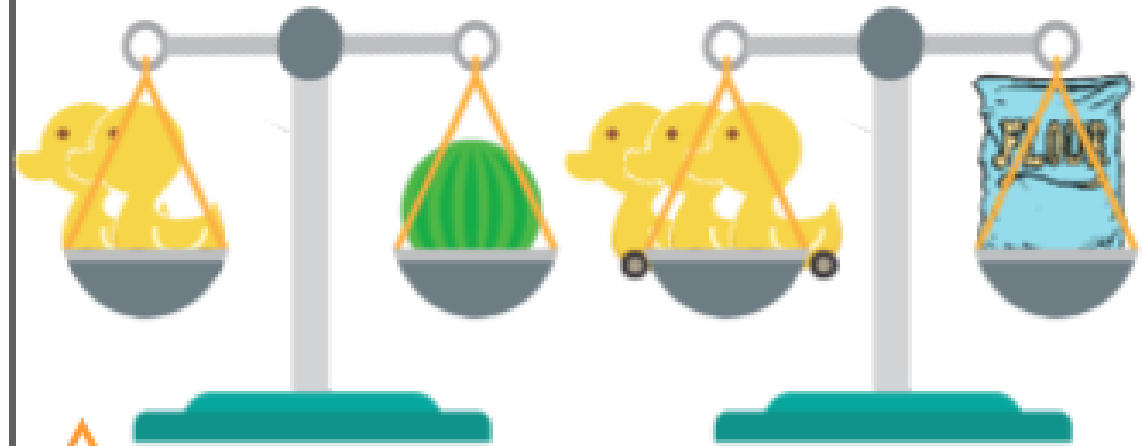

3   VF

Independent work

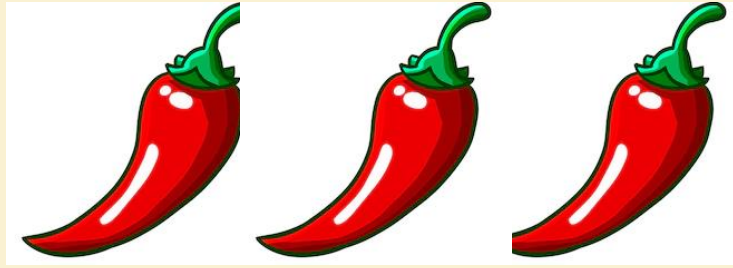10a. Which object is the heaviest if one dinosaur weighs 1kg?

10b. Which object is the lightest if one duck weighs 500g?

Independent work

11a. Use < or > to compare the weights.

3kg 500g ⬚ 10kg
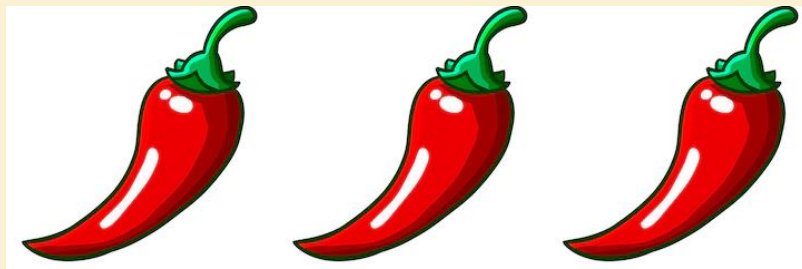
3   VF

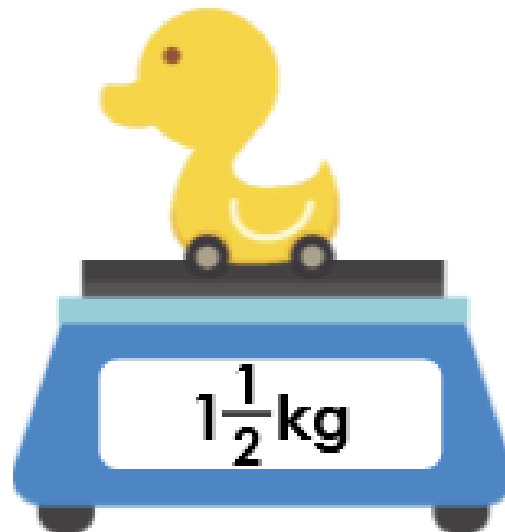## 11b. Use < or > to compare the weights.

30kg ⬚ $45\frac{1}{2}$ kg
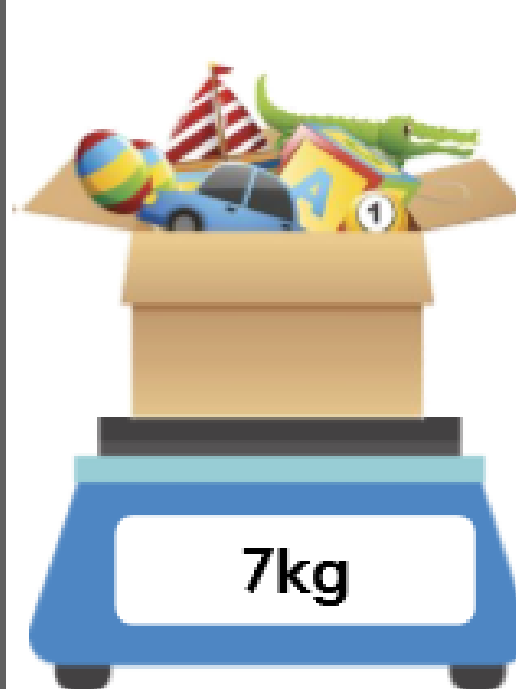
3   VF

Independent work

12a. Which is lighter?

4kg

$1\frac{1}{2}$ kg

3   VF

12b. Which is heavier?

7kg

8kg 500g

3   VF

Answers

Developing
1a. True
2a. Egg
3a. <
4a. Drum

Expected
5a. False
6a. Dinosaur
7a. <
8a. Strawberries

Greater Depth
9a. True
10a. Drum
11a. <
12a. Duck

Developing
1b. True
2b. Orange
3b. <
4b. Keyboard

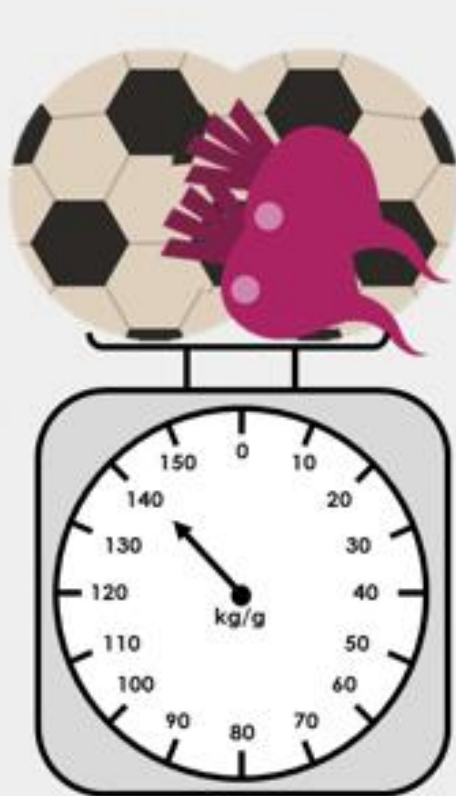**Expected**
5b. False
6b. Banana
7b. >
8b. Tractor
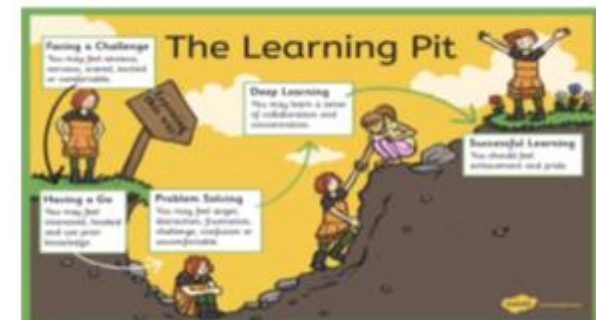
Greater Depth
9b. True
10b. Watermelon
11b. <
12b. Pumpkins

Reflection Time

If a beetroot weighs 30g and a bucket and spade weighs 60g, how much does one ball weigh?

Take time to reflect

The Learning Pit
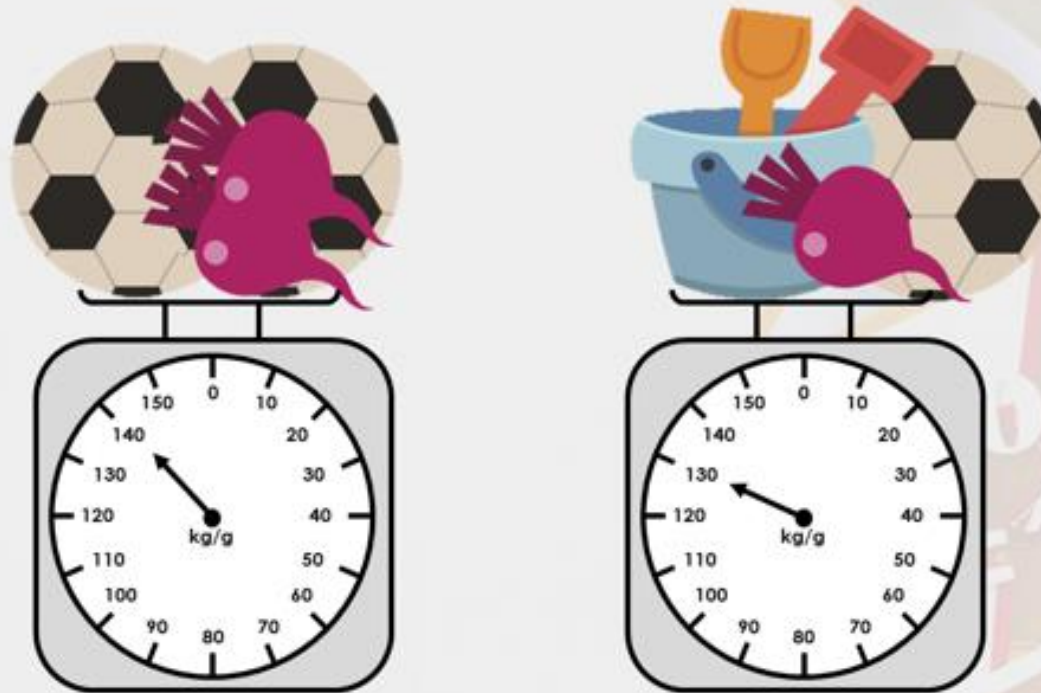
Reflection Time - Answers

If a beetroot weighs 30g and a bucket and spade weighs 60g, how much does one ball weigh?

Ball = 40g.

The Learning Pit

Take time to reflect