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

4.5.20

Mathematical Vocabulary

For weight, the vocabulary we use is mass. This means the weight of an object.

We measure mass in grams, kilograms and tons. However, in Year 2 and 3, all you need to know is grams and kilograms.

Grams is the smallest measurement. There are 1000g in 1kg.

4.5.20

LO: I can measure mass

Starter

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

Discuss with an adult. Remember the smaller weight is grams (g), the larger weight his kilograms (kg)

Starter - answer

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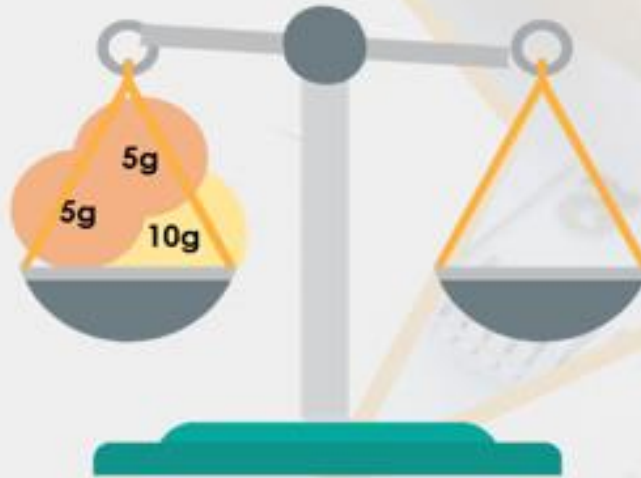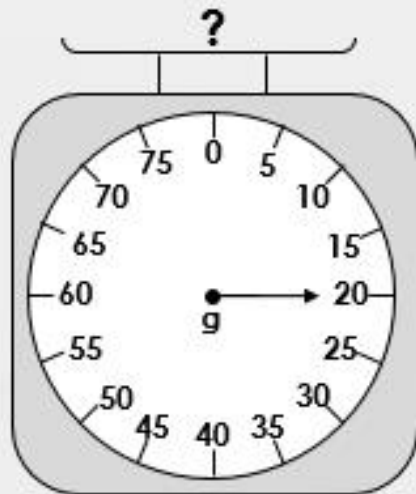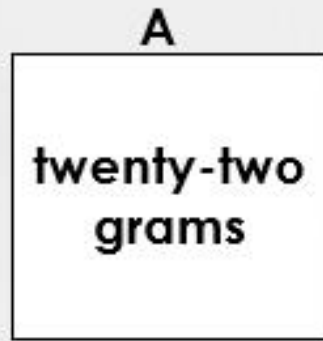Which items would you measure in grams?

Grams:

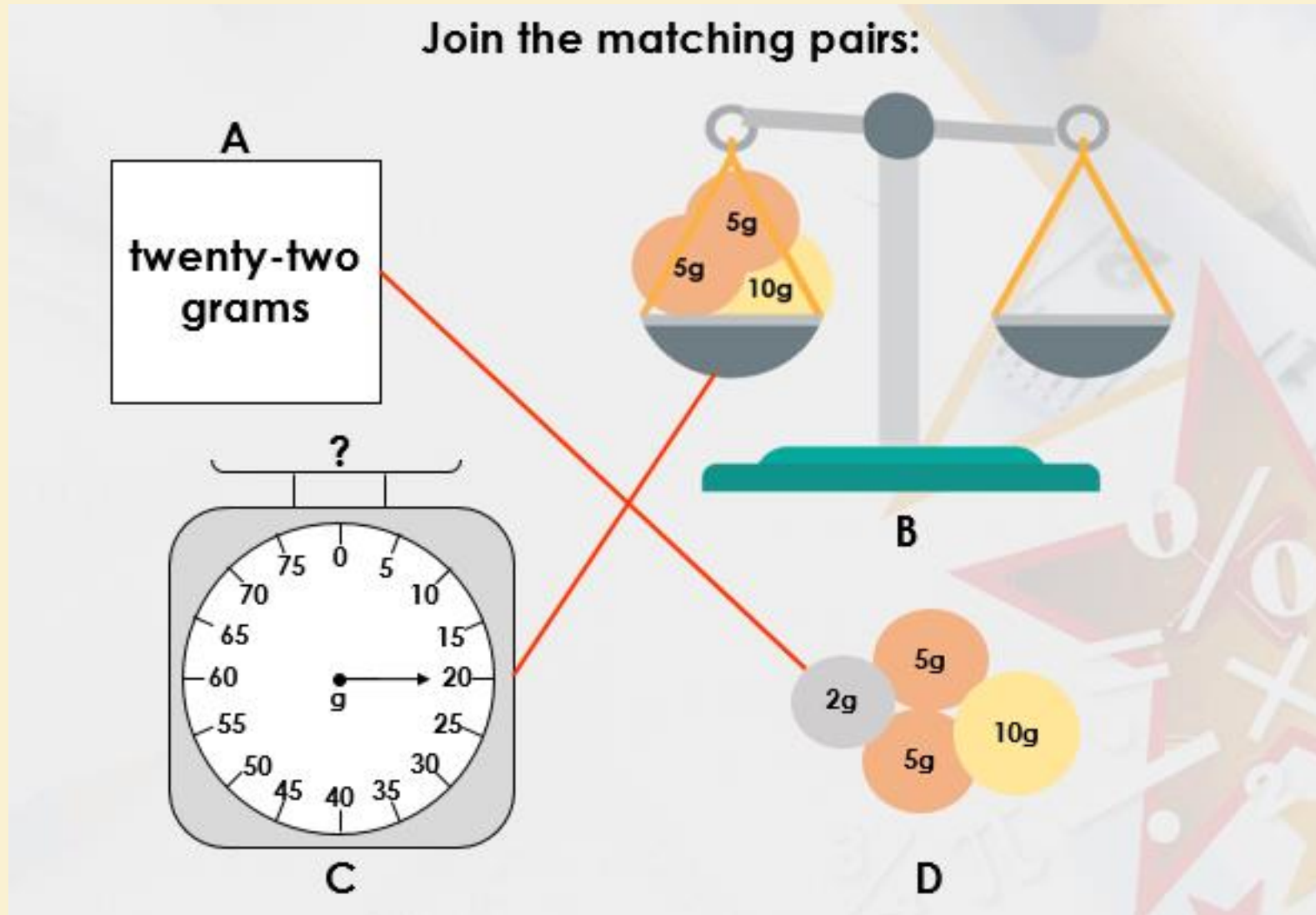Kilograms:

Descriptive Teaching

Join the matching pairs:

A

twenty-two grams

?

75 0 5
70 10
65 15
60 20
g
55 25
50 30
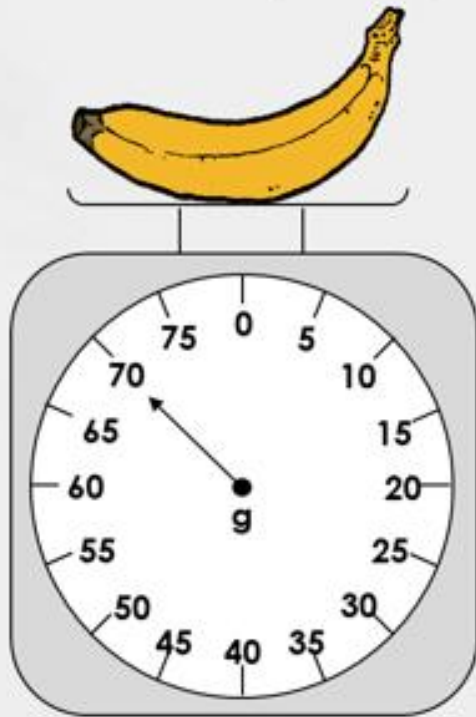45 40 35

C

B

5g
5g
10g

5g
2g
10g
5g

D

Read the scales. What is the mass for each?

Descriptive Teaching - Answer

Descriptive Doing

How much do these items weigh?

Where is the arrow pointing on the scales?
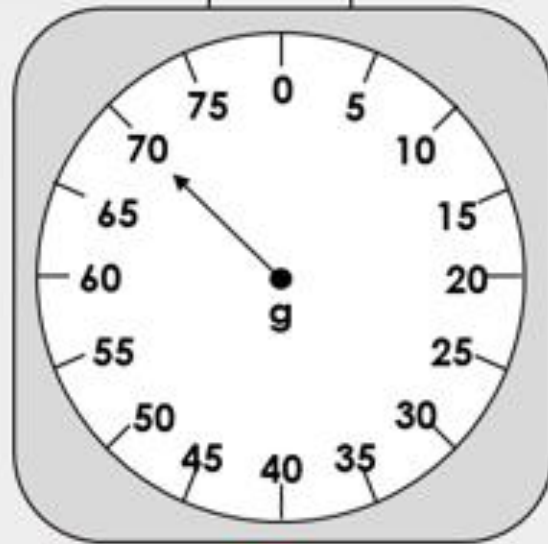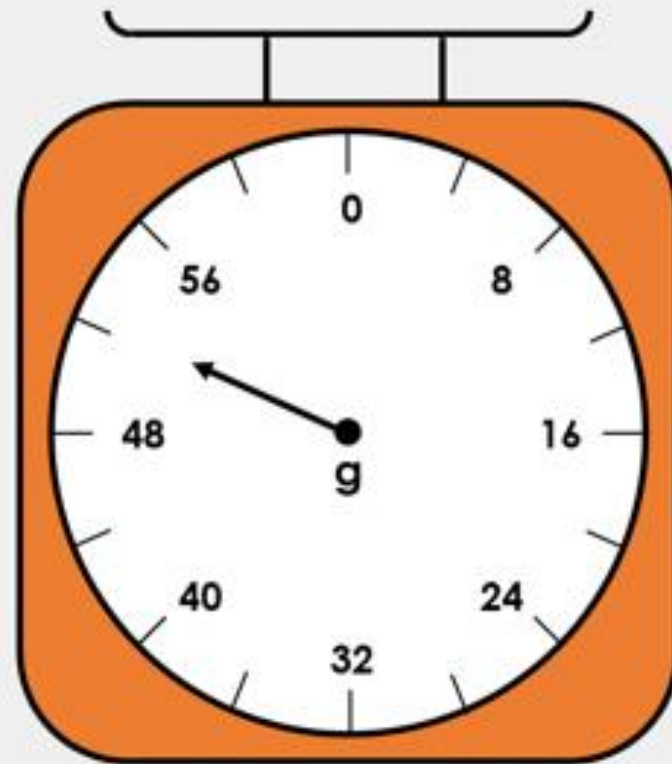
Descriptive Doing - Answer
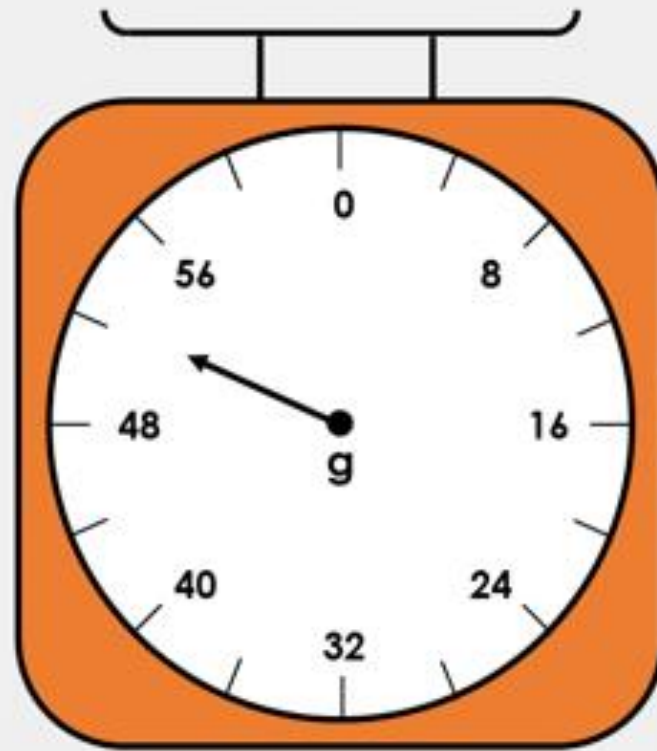
Reflective Teaching

What mass is the arrow showing on this scale?

What number is half way between 48 and 56?

Reflective Teaching - Answers
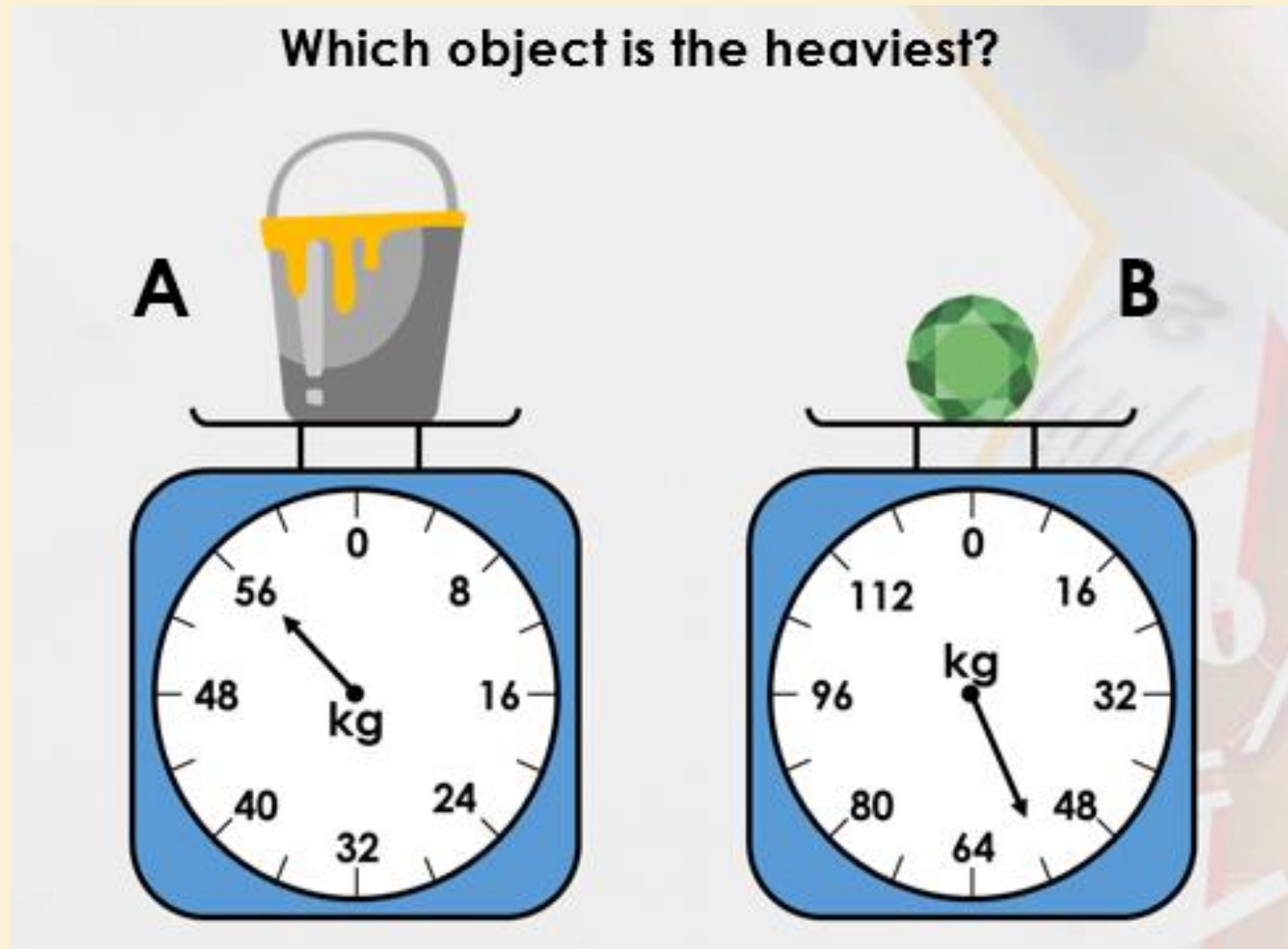

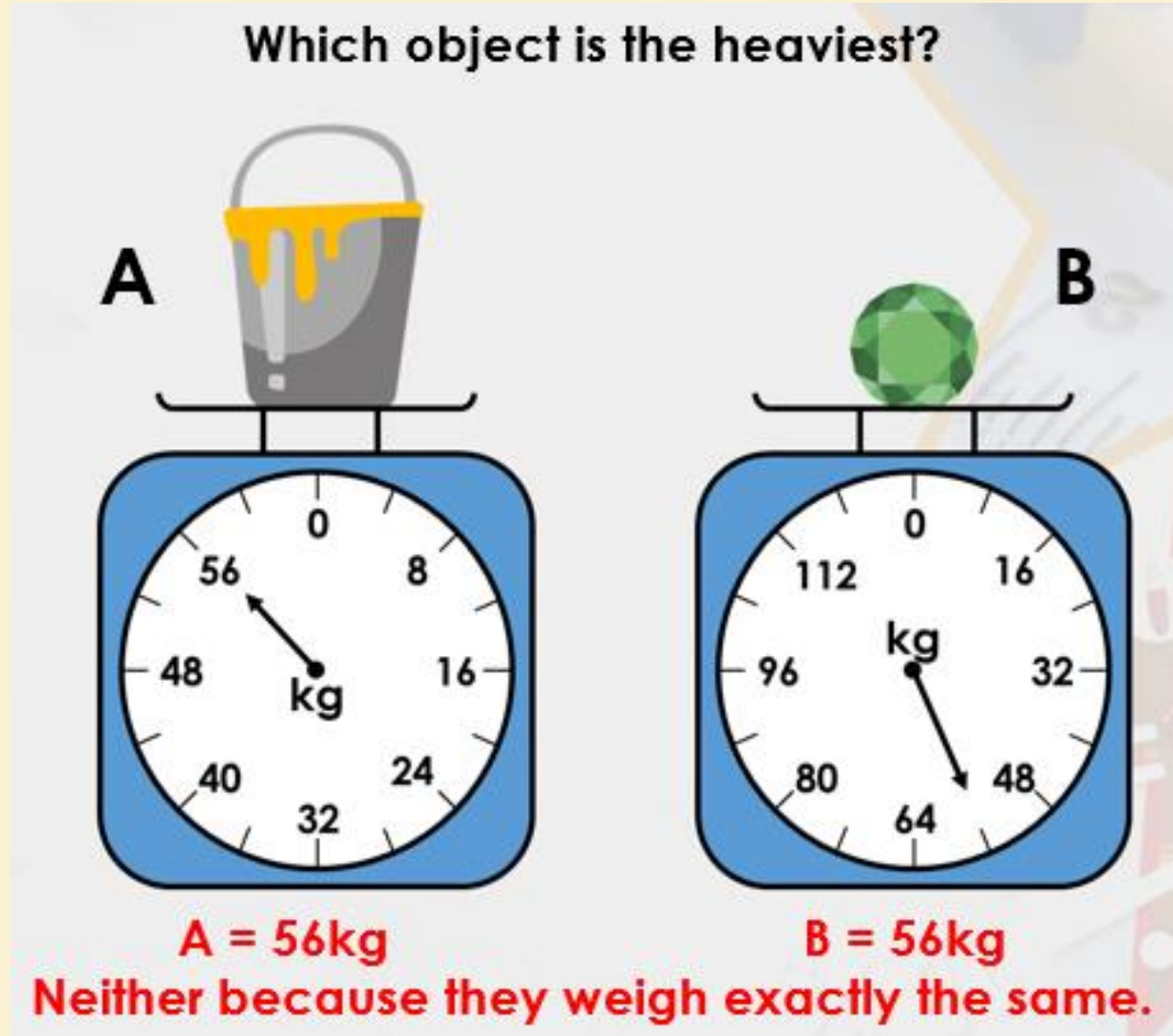What mass is the arrow showing on this scale?

52g

Reflective Doing

Which object is the heaviest?

A

B

Work out the weight of each object by looking at where the arrow is pointing to.

Reflective Doing - Answers

Which object is the heaviest?

A = 56kg   B = 56kg

Neither because they weigh exactly the same.

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.
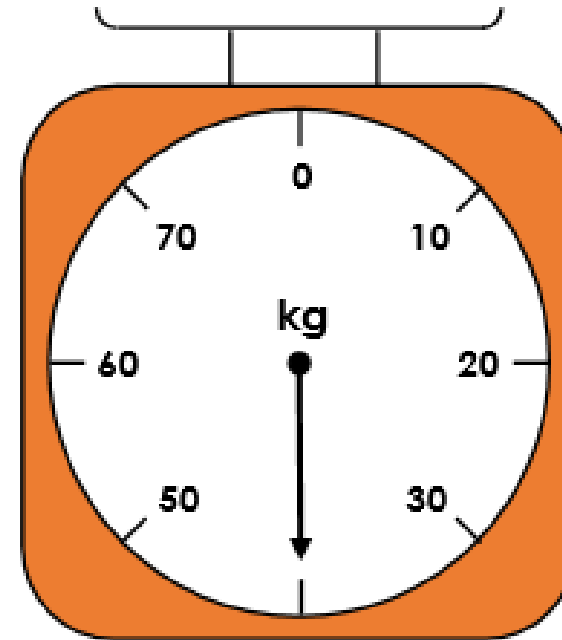
Independent work
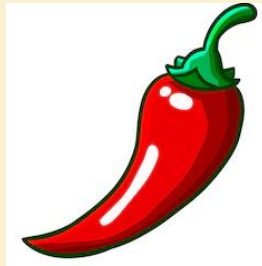
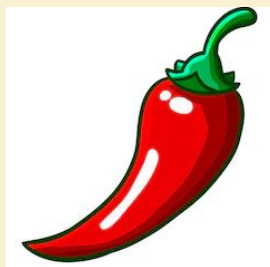1a. What mass is the arrow showing on this scale?
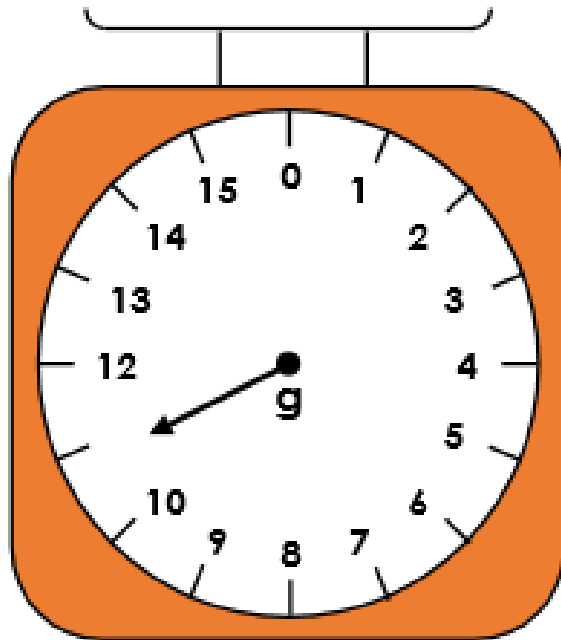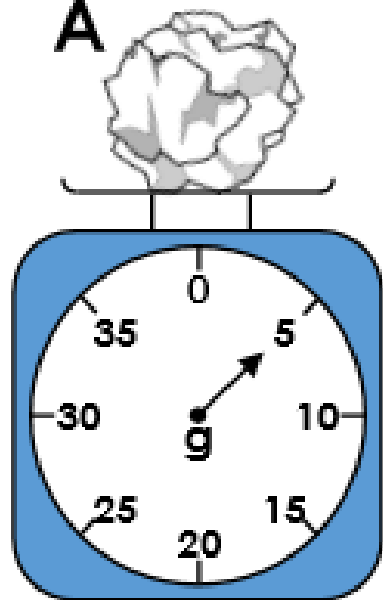
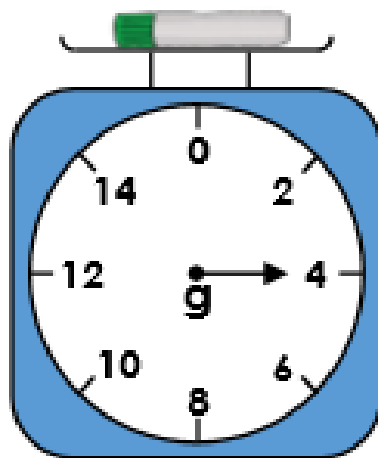1b. What mass is the arrow showing on this scale?
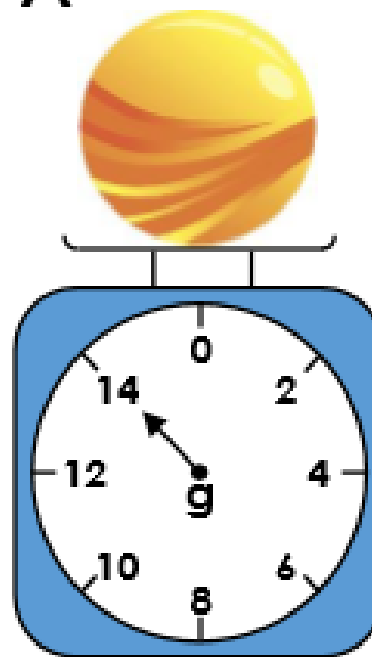
Independent work

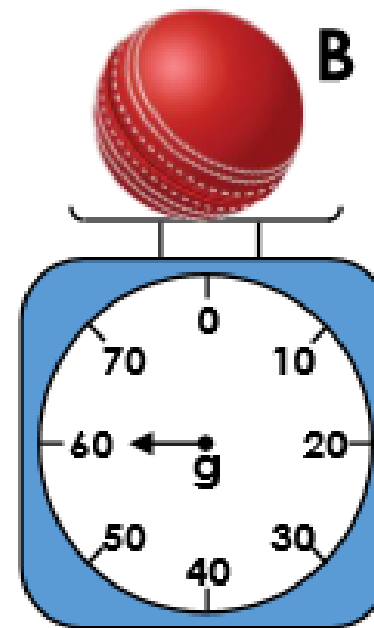## 2a. Which object is the heaviest?
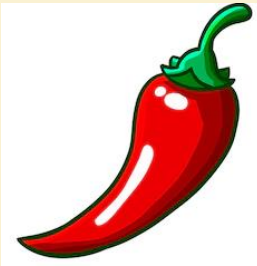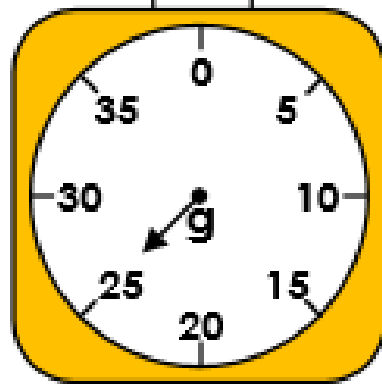

A   B

2b. Which object is the lightest?

A   B

Independent work

3a. How much does each object weigh?

A — football on green scale (dial reads 0 to 30, marked in 2s; pointer near 24) g

B — basketball on yellow scale (dial reads 0 to 35, marked in 5s; pointer near 25) g

3b. How much does each object weigh?

A — bag of RICE on green scale (dial reads 0 to 7; pointer near 2) kg

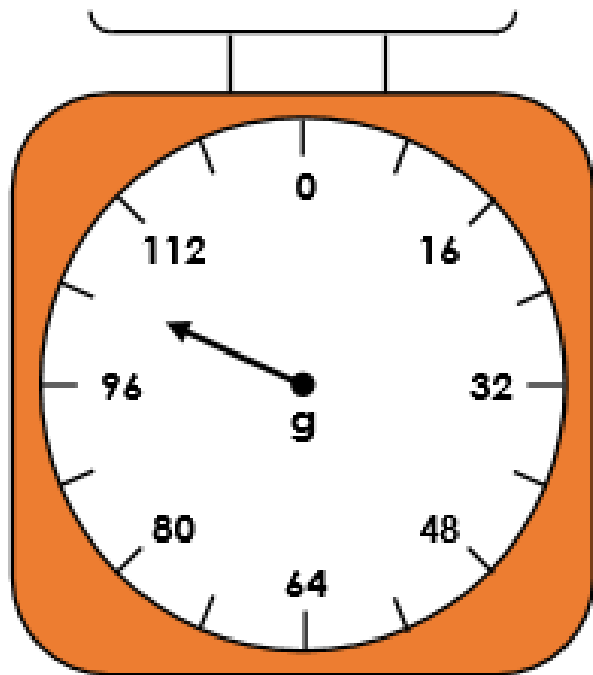B — bag of crisps on yellow scale (dial reads 0 to 15, marked in 1s; pointer near 12) g
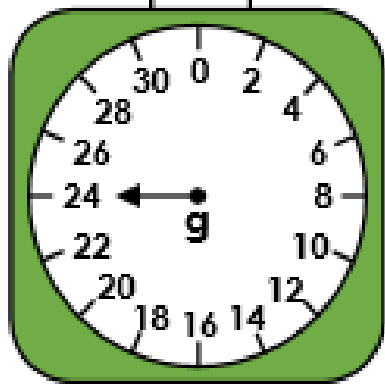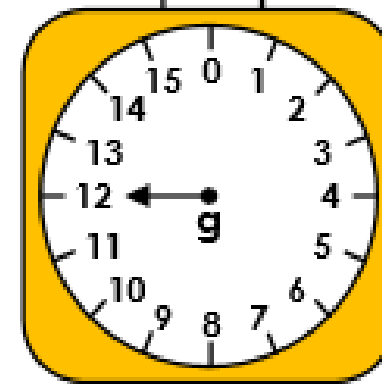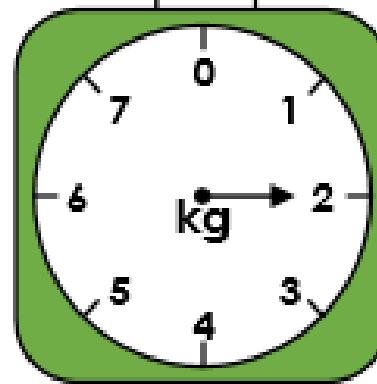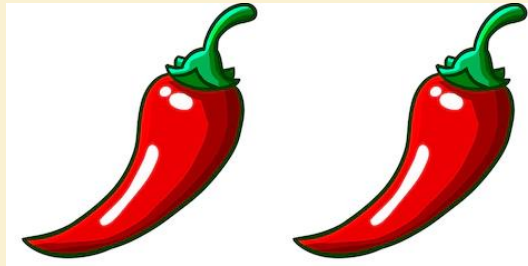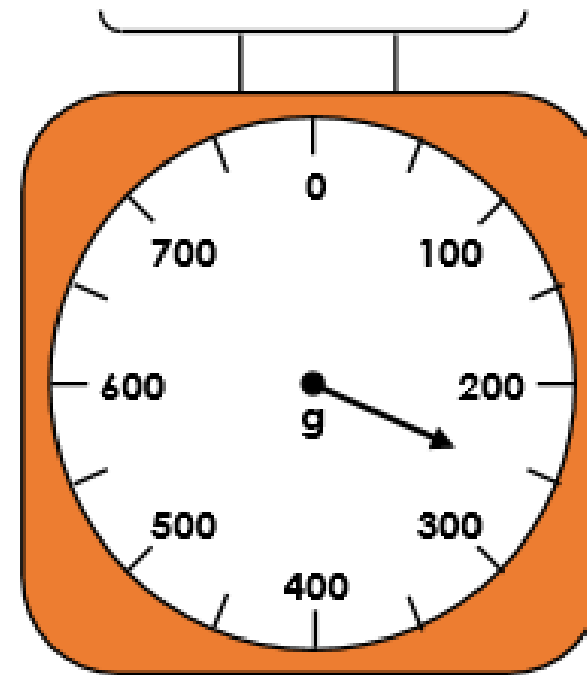
Independent work

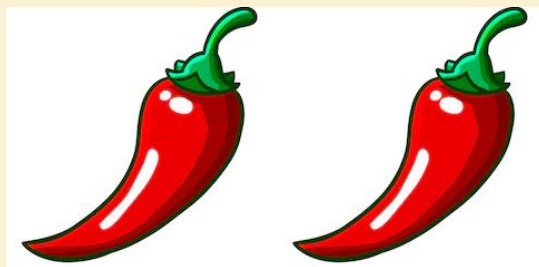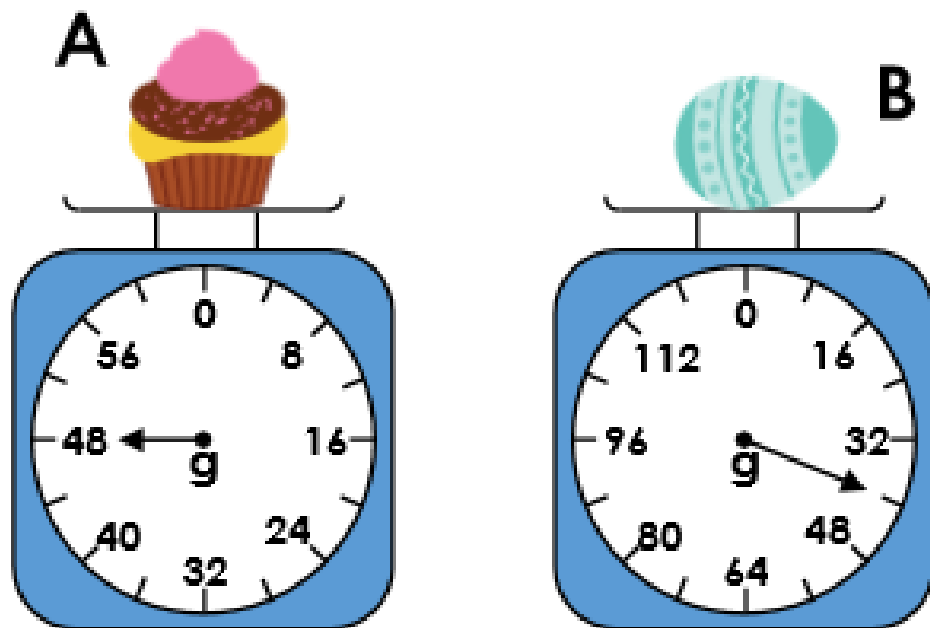## 4a. What mass is the arrow showing on this scale?

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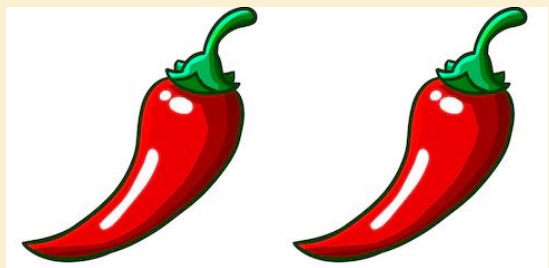
Independent work

5a. Which object is the heaviest?
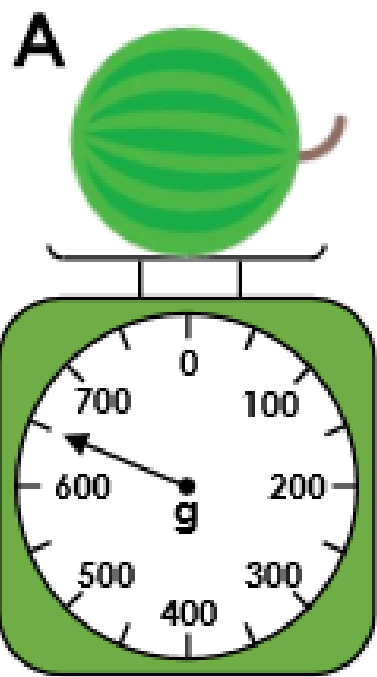
A

B

5b. Which object is the lightest?

A

B

FLOUR

RICE

3 VF

3 VF

Independent work

6a. How much does each object weigh?

A — watermelon on scale (g)

B — pumpkin on scale (kg)

6b. How much does each object weigh?
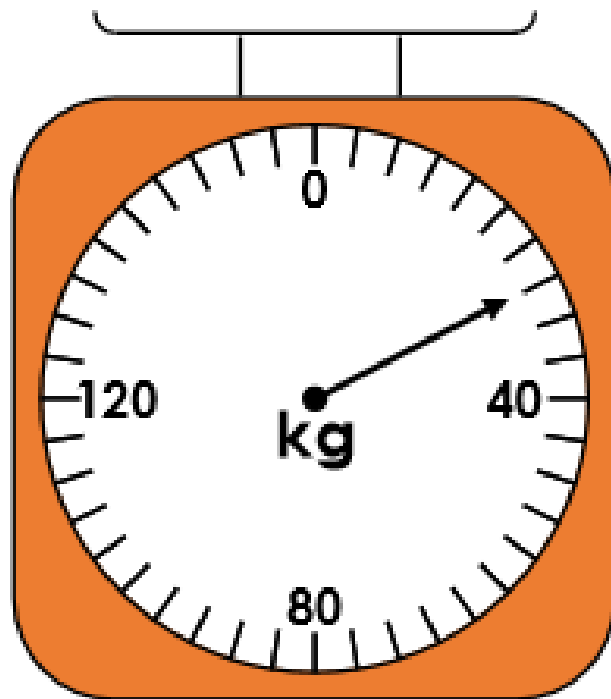
A — present on scale (kg)
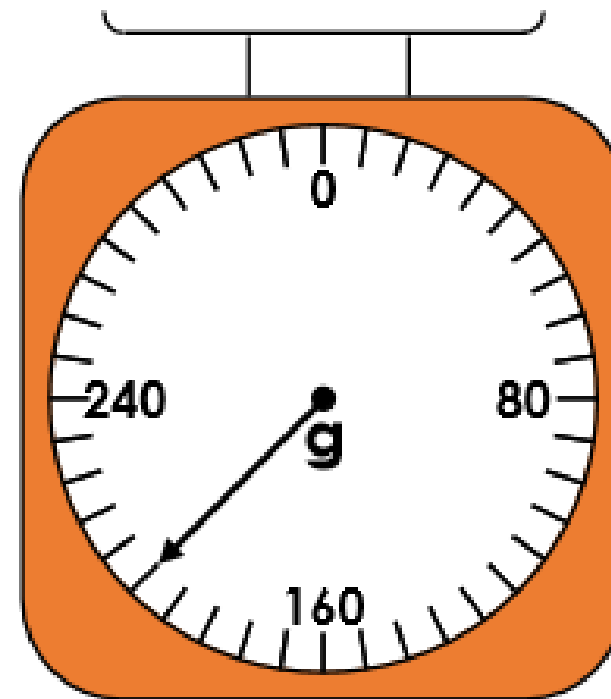
B — present on scale (g)
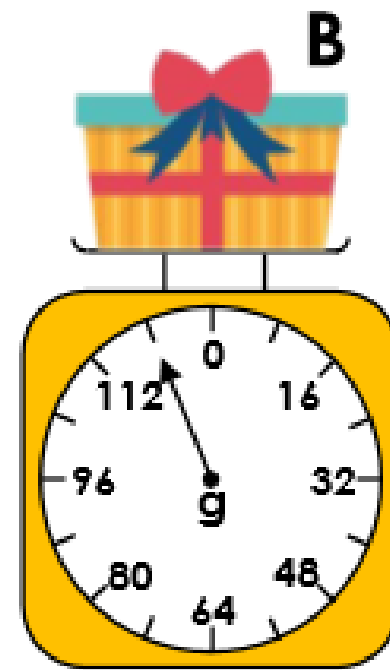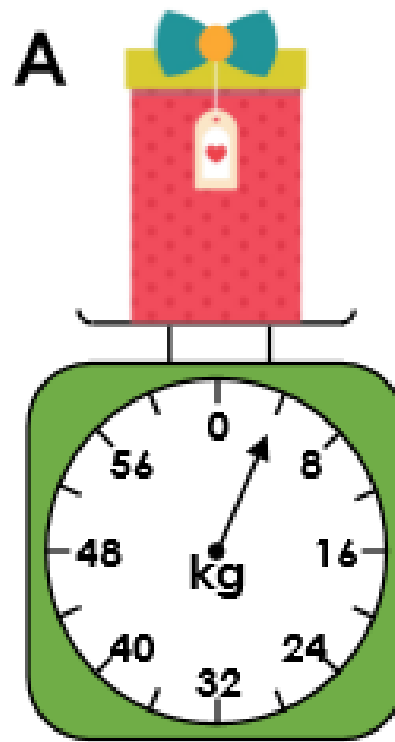
Independent work

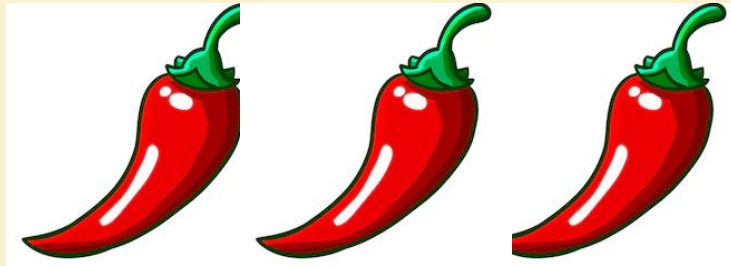
7a. What mass is the arrow showing on this scale?

7b. What mass is the arrow showing on this scale?

Independent work

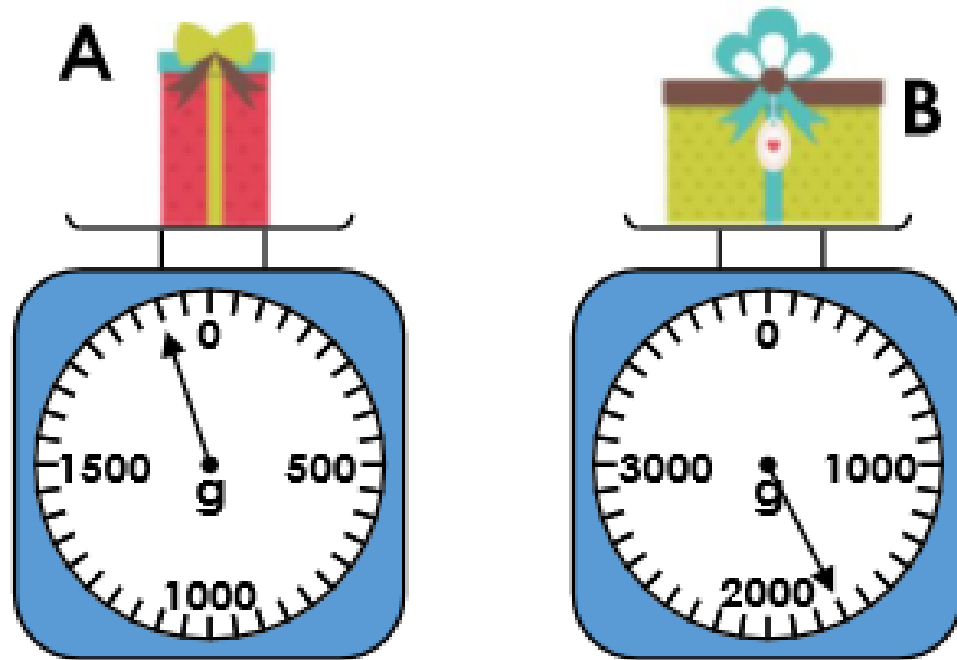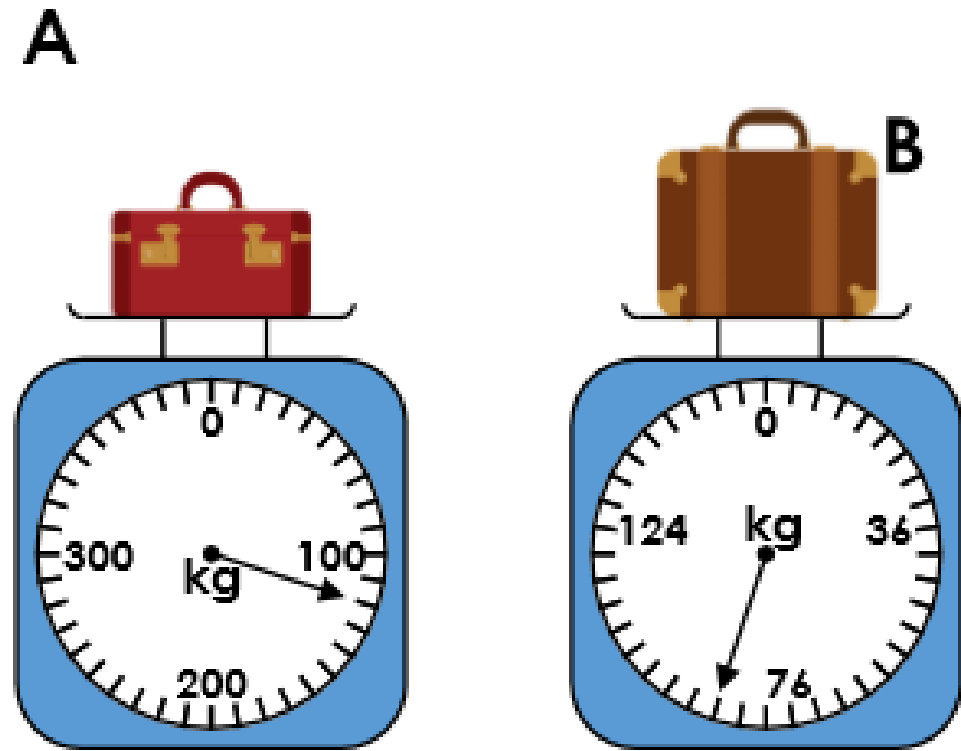
8a. Which object is the heaviest?

A

B

8b. Which object is the lightest?
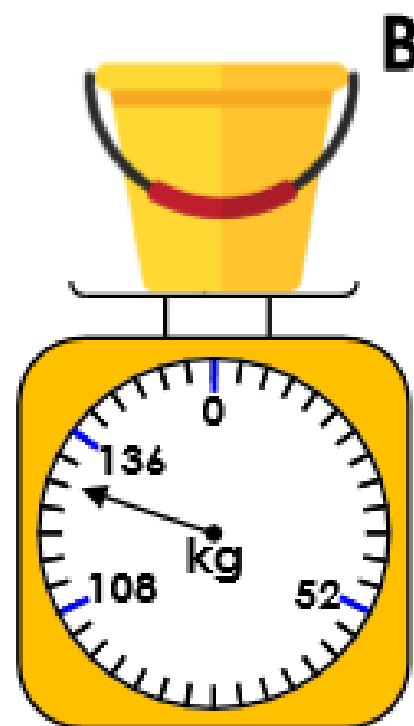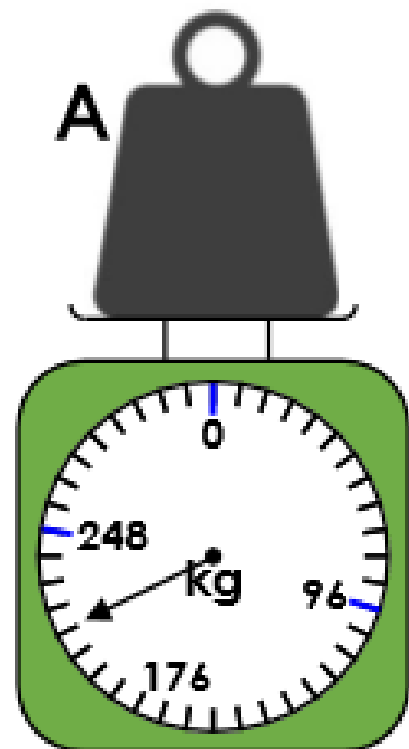
A

B

GD   3   VF

GD   3   VF

Independent work

9a. How much does each object weigh?

A   B

248 kg 96
176

136 kg
108   52

9b. How much does each object weigh?

A   B

800 g 200
550

320 g 60
180

3 VF
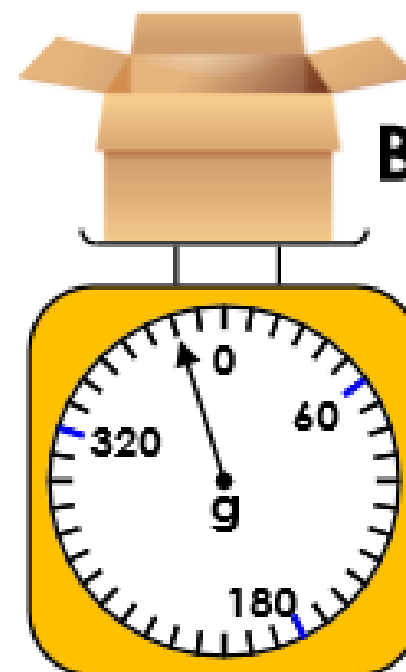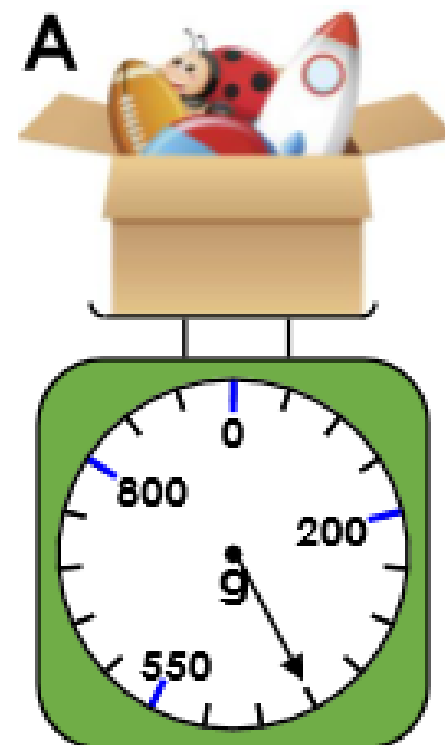
3 VF

Answers

Developing
1a. 11g
2a. A
3a. A = 24g, B = 25g

Expected
4a. 104g
5a. A
6a. A = 650g, B = 8kg

Greater Depth
7a. 28kg
8a. A
9a. A = 216kg, B = 128kg

Developing
1b. 40kg
2b. A
3b. A = 2kg, B = 12g

Expected
4b. 250g
5b. B
6b. A = 4kg, B = 120g

Greater Depth
7b. 200g
8b. B
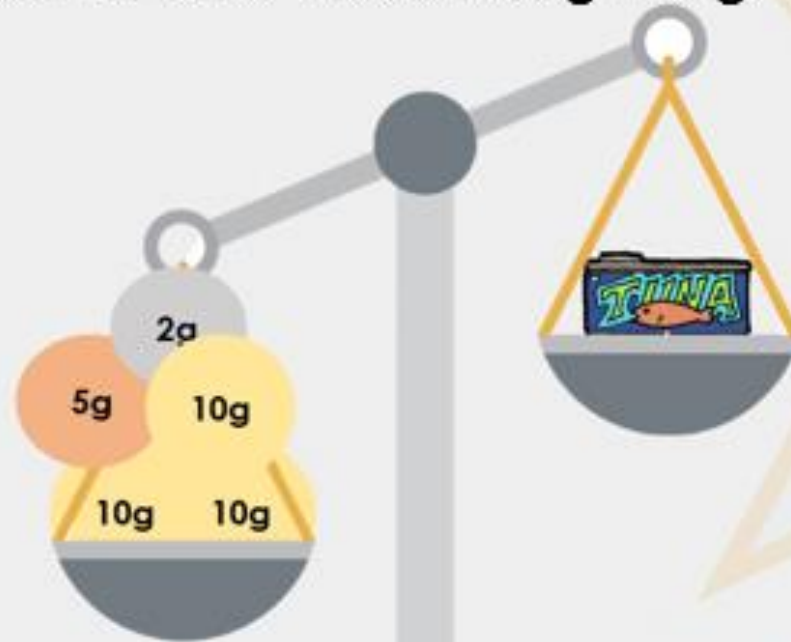9b. A = 400g, B = 380g

Reflection Time

Daniel thinks the tuna could weigh 37g. Is he correct?

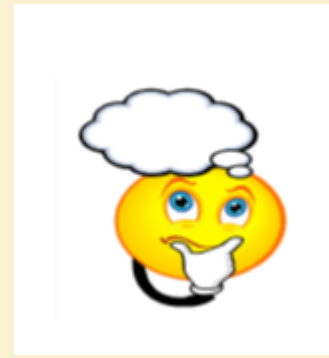2g
5g
10g
10g   10g

Explain your answer.

Take time to reflect

The Learning Pit
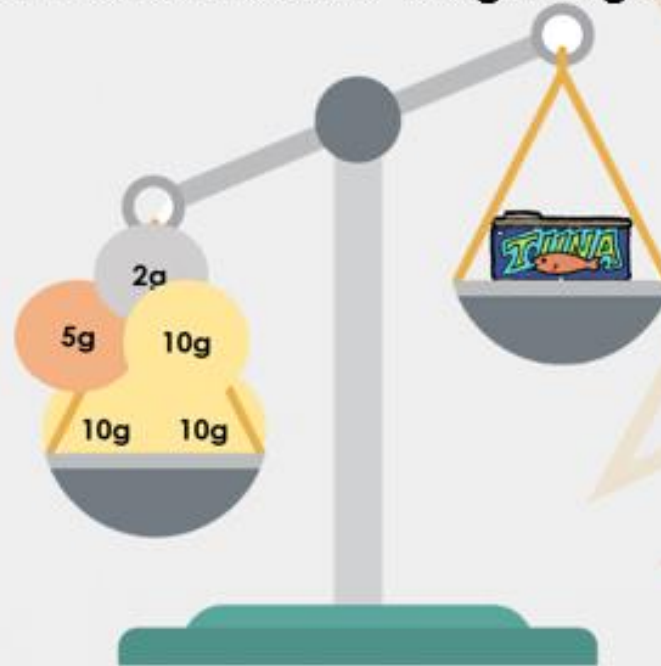
Reflection Time - Answers

Daniel thinks the tuna could weigh 37g. Is he correct?

Explain your answer.

Daniel is not correct because the balance scale shows that the tuna is lighter than 37g.