

Year 4 – Measure – Problem solving with Mass

1. Which item do you think is closest in weight to 1 kilogram?

An elephant. A box of cereal. A pencil.

2. Which item do you think is closest in weight to 1 gram?

A pin. A plate. A chair.

True or false:

3. There are 1000 grams in a kilogram?

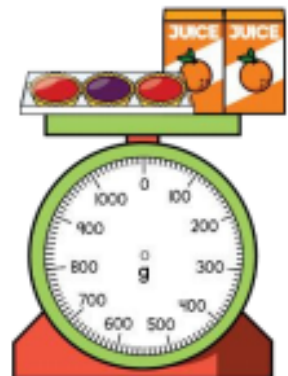
4. To convert grams into kilograms, you divide by 1000?

5. To convert kilograms into grams you multiply by 100?

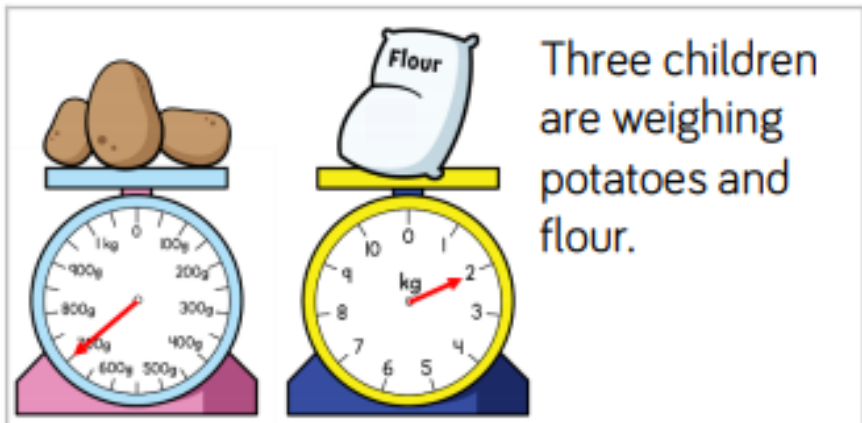
6. Mr Morgan's bag is 2.17 kg. He wants to convert it into grams, can you help him?

7. Three tarts weigh 210 g. Two orange juices weigh 200 g. Put a more than, less than or equal to sign (>, <, =) to complete the comparison below.

1 tart 1 orange



8.



The potatoes weigh 700 grams. The flour weighs 2 kg.



Whitney

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

The flour weighs less because 2 is less than 700



Amir



Alex

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

Who do you agree with?

Explain your answer.

9.


Here are three masses.

20 kg and 600 g 20 kg

18 kg and 500 g


Match each mass to the correct child.

Dora




My mass weighs more than $\frac{1}{2}$ of 40 kg.

Mo



My mass is more than Eva's mass.

Eva



My mass weighs more than 18 kg but less than 20 kg.

Draw lines to match each mass to the correct child.

Clue: Start with Eva, then Dora, then Mo.