# Compare Mass (Y3)

Reasoning and problem solving

This page does not need to be printed. Write the date you do the work and the above title in your book, underlining them neatly with a ruler.

1)

Three children are weighing potatoes and flour.

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

Amir: The flour weighs less because 2 is less than 700

Alex: The flour weighs more because 2 kg is more than 700 g.
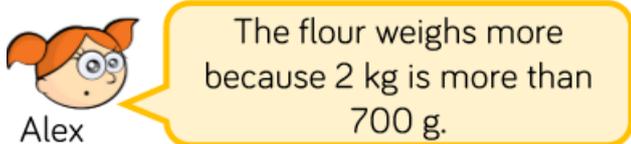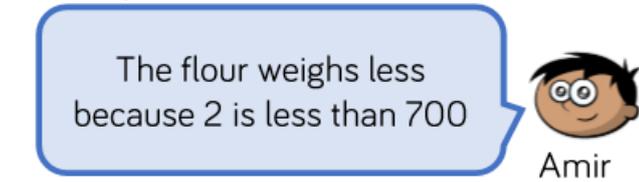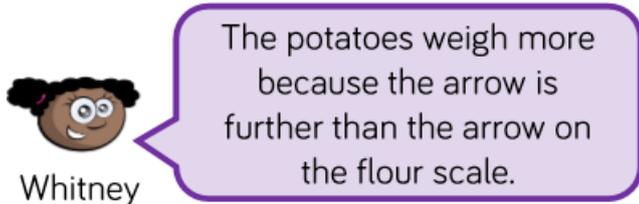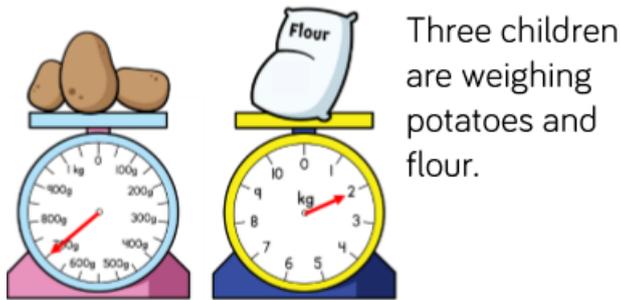
Who do you agree with?
Explain your answer.

2)

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.
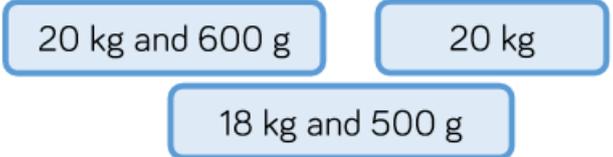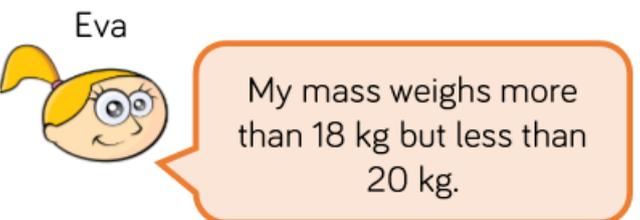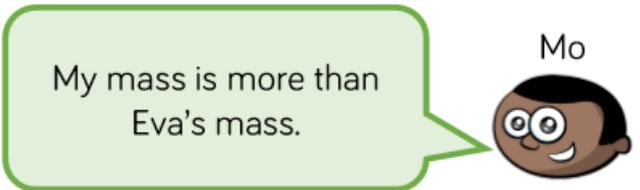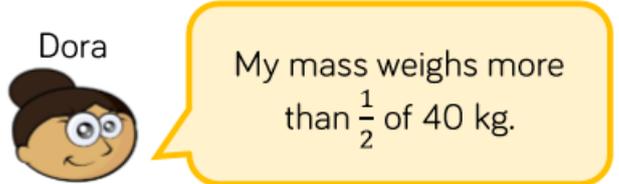
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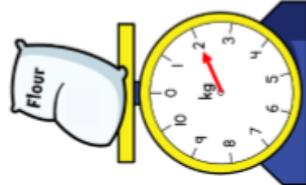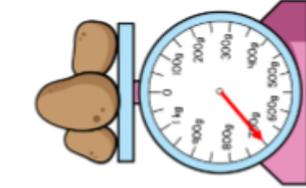
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Eva: 18 kg and 500 g

Mo: 20 kg

Dora: 20 kg and 600 g

Three children are weighing potatoes and flour.

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

Amir: The flour weighs less because 2 is less than 700

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

Who do you agree with? Explain your answer.

Whitney is wrong because the scales are different.

Mo is wrong because he hasn't noticed the flour is weighed in kg and the potatoes are weighed in g.

Alex is correct because 2 kg is the same as 2,000 g which is more than 700 g.