

Diving into Mastery - Diving

Adult Guidance with Question Prompts

Children count in fives to read scales.

Can you read the scales and write the masses that the red arrows are pointing to?

Can you write the masses using the correct units?

How can we read the parts of the scale that aren't labelled?

What does each mark on the scale represent?

Can you draw arrows on the scales to show these masses?

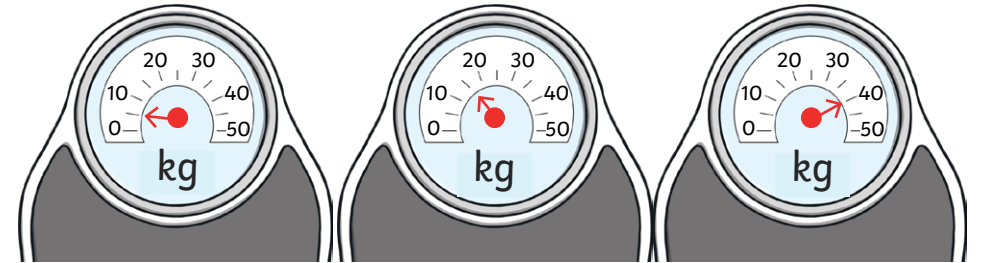
Is 35kg labelled?

How do you know where 35kg is on the scale?

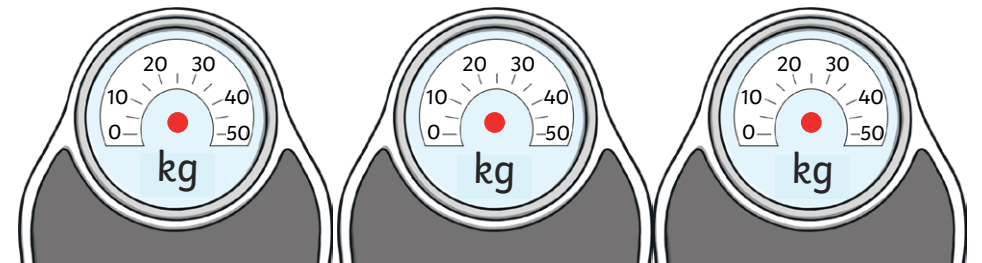
Measuring Mass in Kilograms



What mass does each scale show?



Draw arrows to show these masses on the scale:



10kg

35kg

45kg

Diving into Mastery - Deeper

Adult Guidance with Question Prompts

Children reason about the most suitable choice of units for measuring. They explain their thinking using mathematical language.

Which of these would you measure in kilograms? Why?

Which would you measure in grams? Why?

Can you think of something that could be measured using either?







What can you find in the classroom that could be measured in grams/kilograms?

Measuring Mass in Kilograms



Would you measure these things in grams or kilograms?

Explain your choice.

cat 	banana 
chocolate bar 	pepper 
suitcase 	adult 

Can you find 5 things in the classroom that you could measure in grams and 5 things that you could measure in kilograms?

Diving into Mastery - Deepest

Adult Guidance with Question Prompts

Children solve problems involving measuring in kilograms and calculating.

Look at the scale for Amina. How could we check we are right?

What is Amina's mass?

What is Mum's mass?

How much heavier is Omar than Amina?

How much heavier is Dad than Mum?

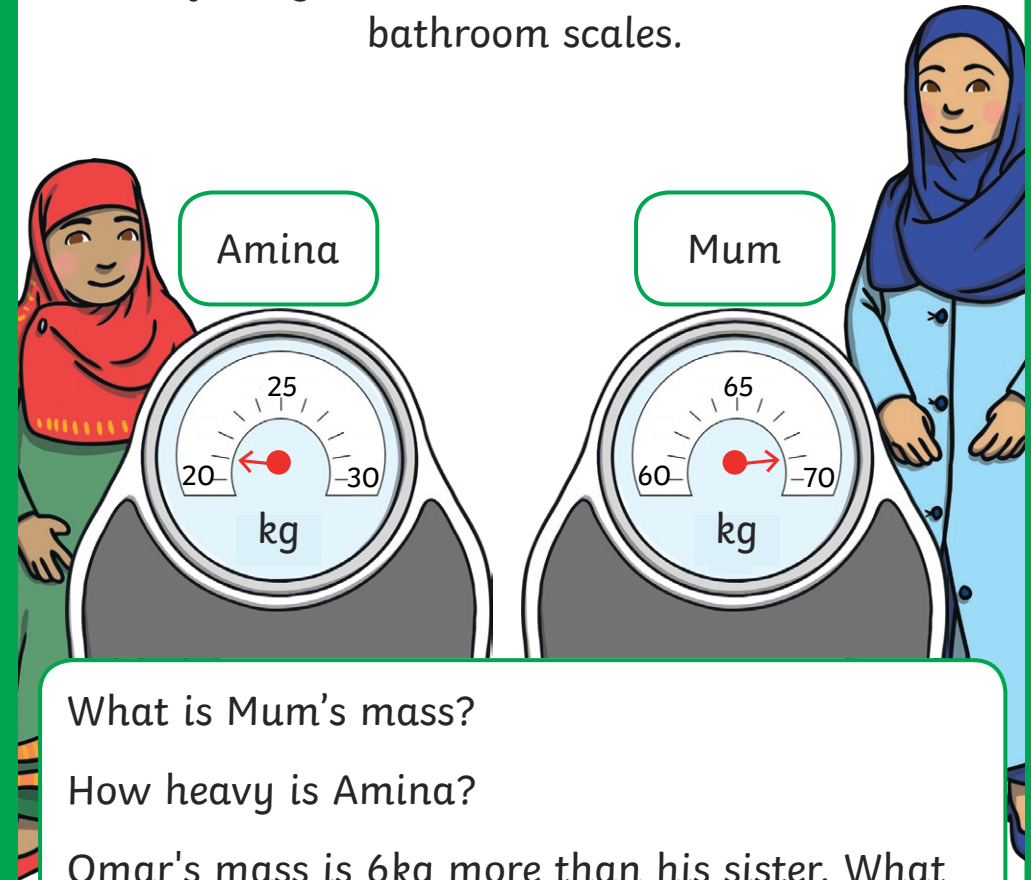
How can you work out Omar and Amina's masses?

How much could Fola weigh? Is there more than one possible answer?

Measuring Mass in Kilograms



A family measure their masses on some bathroom scales.



What is Mum's mass?

How heavy is Amina?

Omar's mass is 6kg more than his sister. What is his mass?

Dad is 20kg heavier than Mum. What is Dad's mass?

Omar's friend, Fola, weighs more than Amina but less than Omar. What could Fola's mass be?