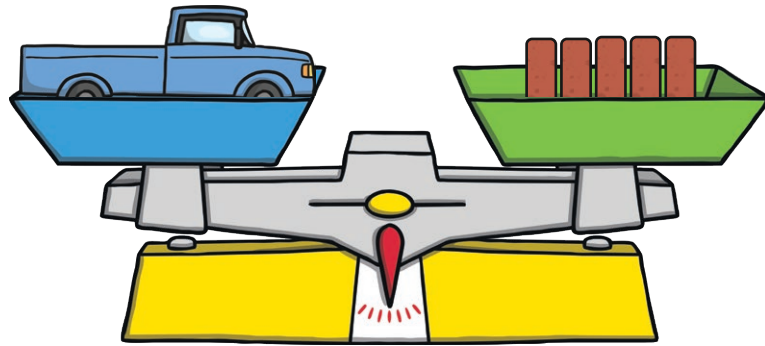


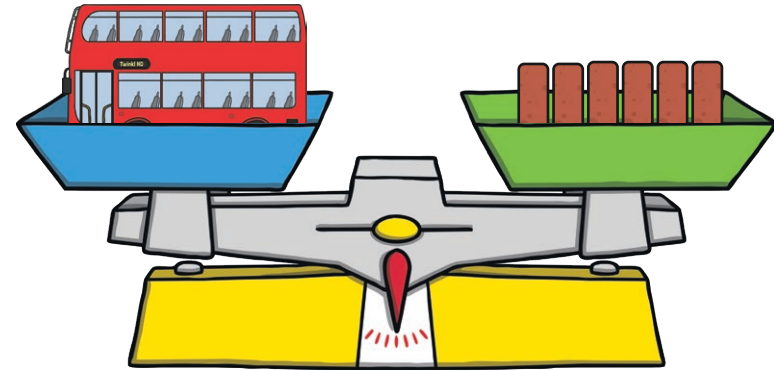
Compare Mass



The truck weighs ____ bricks.



The bus weighs ____ bricks.



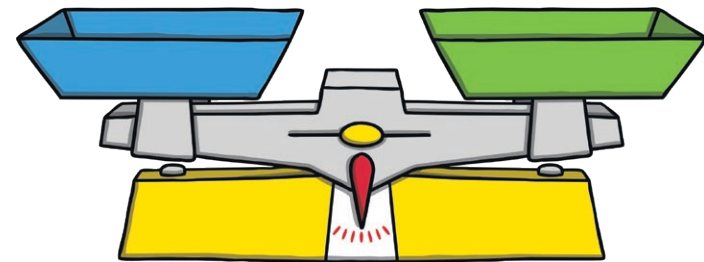
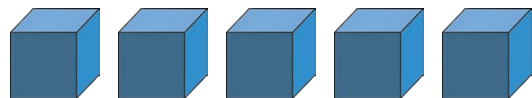
The truck is _____ than the bus.



Order the cars from the lightest to the heaviest.

Find 4 objects.

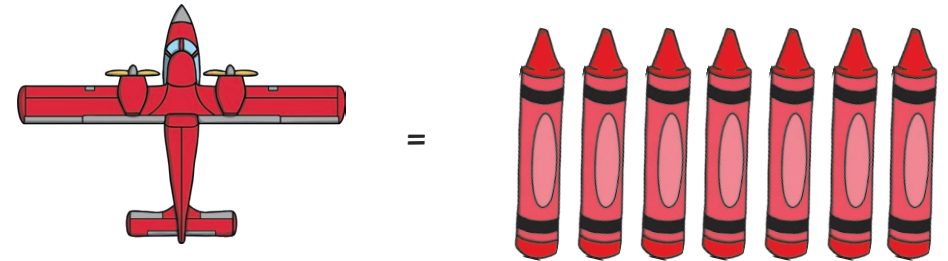
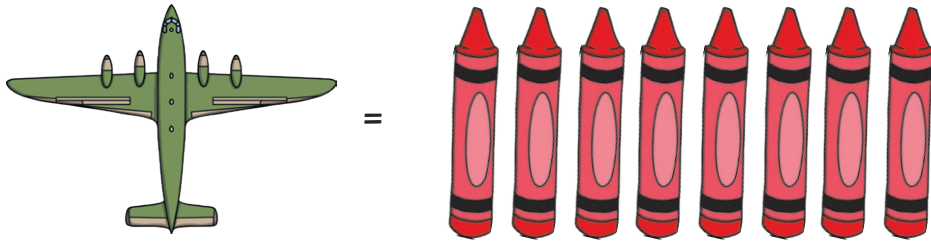
Use cubes to measure their mass.



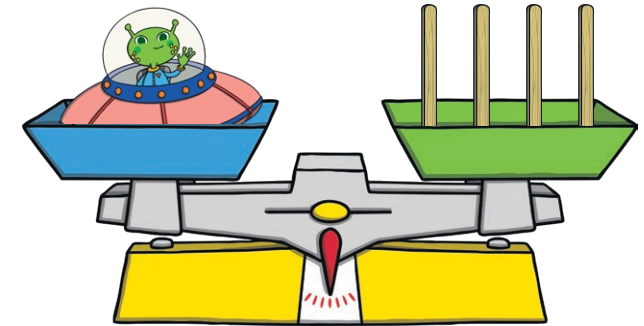
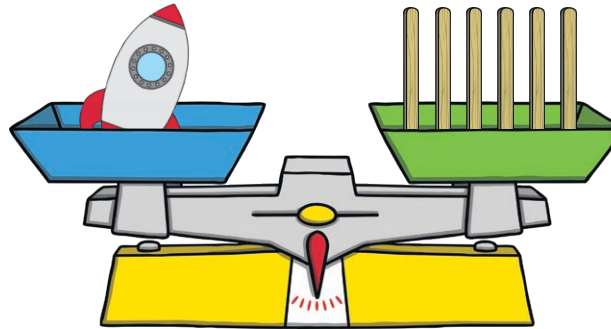
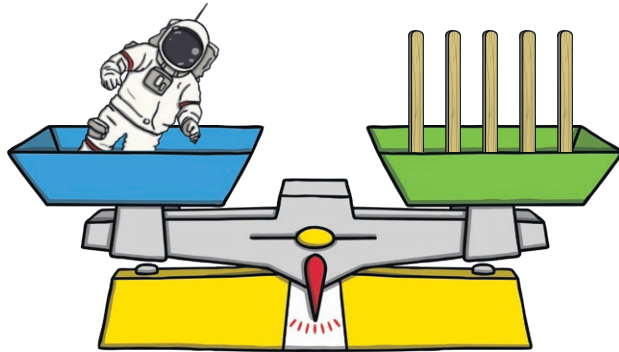
Order the objects from lightest to heaviest.



The green plane is _____ than the red plane.



The red plane is _____ than the green plane.



Match each toy with a fact.

It weighs more than 5 sticks.

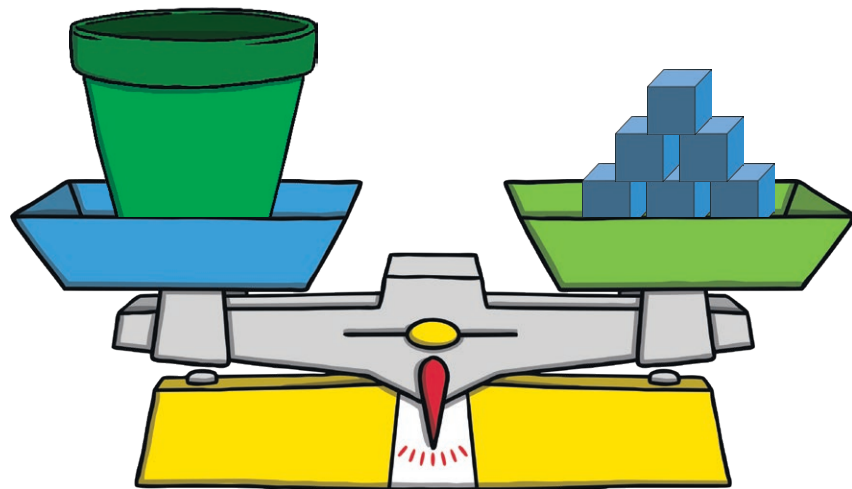
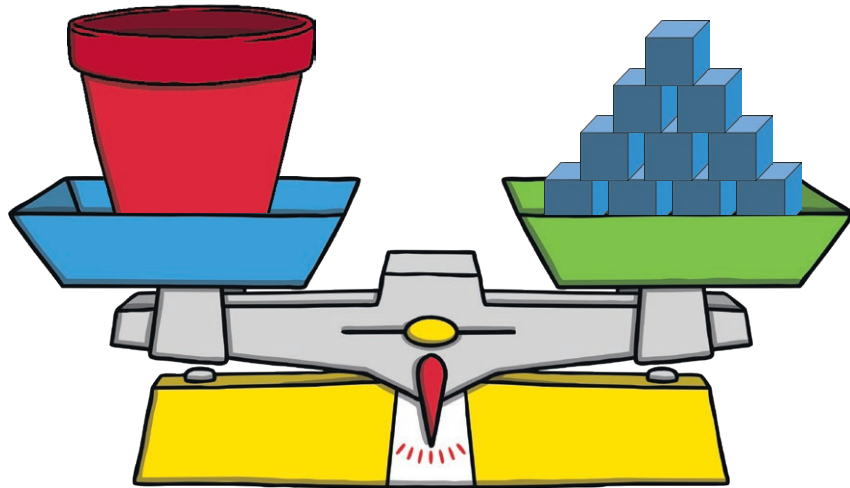
It weighs less than 5 sticks.

It is not the heaviest or the lightest.

Compare Mass



How heavy are these pots?



The red pot is _____ than the green pot.

4 cubes heavier than the red pot.



Lighter than the green pot.



Lighter than the red pot but heavier than the green pot.



Write a clue about the yellow pot so that your friend can find how many cubes it weighs.



Compare Mass

Adult Guidance with Question Prompts



Children continue to use non-standard units and balance scales to weigh objects. They use the terms 'heavier', 'lighter' and 'equal to' as they compare the mass of two objects. Children then order the mass of three objects using scales to check.

How many bricks weigh the same as the truck/bus?

Which word would you choose to complete the sentence?

Can you order the cars from the lightest to the heaviest?

How does the number of sticks help you order the cars?

How do you know that car is the heaviest/lightest?

Which object do you think will be the lightest/heaviest?

Put the four objects in order from heaviest to lightest without using the scales.

Can you show me how to use the cubes to check their mass?

What does it mean if the side with the object on moves up higher than the side with the cubes? Is it lighter or heavier than them?

Is this the order that you expected?

Compare Mass

Adult Guidance with Question Prompts



Children continue to use non-standard units and balance scales to weigh objects. They use the terms 'heavier', 'lighter' and 'equal to' as they compare the mass of two objects. Children then use these symbols to compare mass $<$, $>$ and $=$ once they are confident.

How many crayons weigh the same as the green/red plane?

Is the red plane heavier or lighter? How do you know?

Can you match the facts with the toys?

Can you use the symbols $<$, $>$ and $=$ to compare the mass of the toys? For example, astronaut $=$ 5 or astronaut $>$ alien.

Make some questions to ask a friend. For example, which toy is lighter than the astronaut?

Compare Mass

Adult Guidance with Question Prompts



Children continue to use non-standard units and balance scales to weigh objects. They use the terms 'heavier', 'lighter' and 'equal to' as they compare the mass of two objects. Children then use these symbols to compare mass $<$, $>$ and $=$ once they are confident. Children use their knowledge of weight and mass to solve problems about other objects.

What can you tell me about the weight of the red/green pot? How many cubes does each one weigh? Which is heavier/lighter?

How can we find the weight of the orange pot?

If the blue pot is lighter than the green pot, how many cubes could it weigh? Why can't it weigh 6 cubes?

Use the weight of the red pot and green pot to help you find the weight of the white pot.

How many possible answers can you think of?

Here are some useful words for your clue: 'weigh', 'heavier', 'lighter', 'equal to'. For example, 'Heavier than the green pot.'

Can you use the symbols $<$, $>$ and $=$ to compare the mass of the pots?