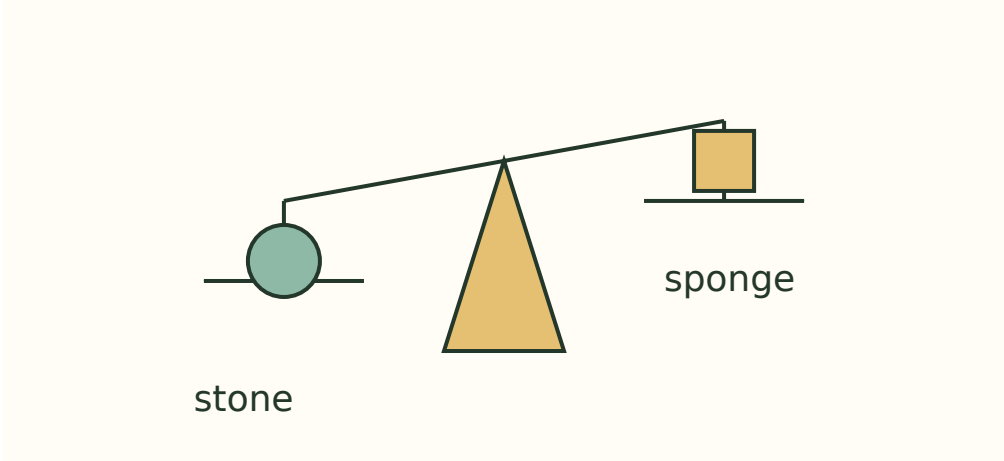
Comparing mass

6 practice questions

1. Use the balance picture. Which object is lighter?



Its pan is higher.

Answer: The sponge.

2. A ball and a block balance on level pans. Compare their masses.

Level pans show equal mass.

Answer: They have the same mass.

3. A small rock is heavier than a large empty cup. Is the larger object always heavier?

This rock is smaller but heavier.

Answer: No.

4. The apple pan is lower than the feather pan. Complete: The apple is ___ than the feather.

The lower pan has more mass.

Answer: heavier

5. One box balances 4 identical blocks. Another box balances 6 of those blocks. Which box is heavier?

The blocks all have the same mass.

Six blocks are heavier than four blocks, so the box balancing six is heavier.

Answer: The second box.

6. Explain how a balance could help you choose the lighter of two toys.

Read the position of the pans, not the size of the toys.

Answer: Put one toy on each pan. The toy on the higher pan is lighter; if level, they have the same mass.