Test answers - Length, mass and capacity

Year: Year 1 · Duration: 20 minutes · /20

Answer to Question 1 (4 marks)

a. The yellow bar starts at 0 on the ruler and ends at the 8 mark, so it is **8 cm** long. (1 mark)
b. Compare 8 cm and 5 cm. 8 is bigger, so **the yellow bar** is longer. (1 mark)
c. Count on from 5 to 8: 6, 7, 8. That is 3, so the yellow bar is **3 cm** longer. (1 mark)
d. End to end means we add the lengths: 8 + 5 = **13 cm**. (1 mark)

Answer to Question 2 (4 marks)

a. The pan with the book hangs lower than the pan with the pencil, so **the book side** is lower. (1 mark)
b. The heavier object always pulls its side down. The book side is down, so **the book** is heavier. (1 mark)
c. The side that goes up holds the lighter object, so **the pencil** is lighter. (1 mark)
d. If the two objects had the same mass, neither side would go down: the scales would be **level**. (1 mark)

Answer to Question 3 (4 marks)

a. The third container has no water at all, so **the third** one is empty. (1 mark)
b. The water in the second container reaches the middle, so **the second** one is half full. (1 mark)
c. The first container is full to the top, so **the first** one holds the most now. (1 mark)
d. Compare 3 spoons and 7 spoons. 7 is more than 3, so **the bowl** holds more. (1 mark)

Answer to Question 4 (4 marks)

a. A bus is as long as many bikes put in a line, so a bus is **longer** than a bike. (1 mark)
b. A feather is easy to blow away and a stone is hard to lift, so a feather is **lighter**. (1 mark)
c. A giraffe can look over a fence that a goat cannot, so a giraffe is **taller** than a goat. (1 mark)
d. A balloon floats but a stone falls to the ground, so a stone is **heavier** than a balloon. (1 mark)

Answer to Question 5 (4 marks)

a. Each carriage is 6 cm long, so add them: 6 + 6 = **12 cm**. (1 mark)
b. Add the engine to the carriages: 12 + 8 = **20 cm** for the whole train. (1 mark)
c. The garage is 20 cm long and the train is also 20 cm long: 20 − 20 = **0 cm** of space is left. (1 mark)
d. **No.** The train already fills the garage exactly, and a new carriage needs 6 cm. The train would be 26 cm long, which is more than 20 cm. (1 mark: no with 26 cm compared to 20 cm)