

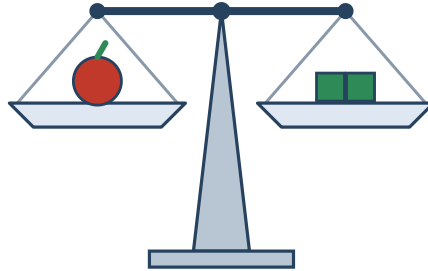
Year 1: Balance scales and counting cubes: answers

Year 1 - Mass and Capacity - Lesson 8.2

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks1/maths/year-1/ch08-mass-capacity/balance-scales-and-counting-cubes/

Exercise 8B Counting cubes on a balance Non-calculator

1 How many cubes balance the apple?



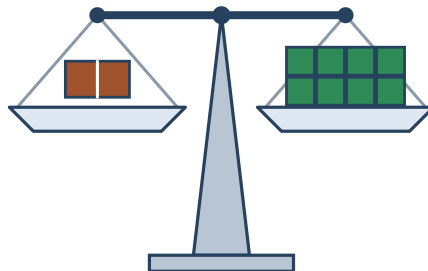
Answer: 2

2 How many cubes balance the ball?



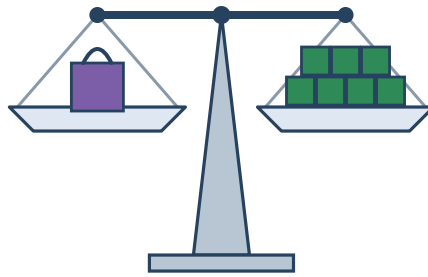
Answer: 3

3 How many cubes balance the brick?



Answer: 8

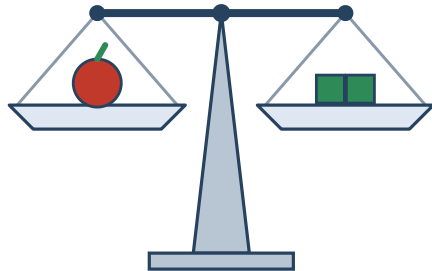
4 How many cubes balance the bag?



Answer: 7

5 Count the cubes on each scale.

A



B



(a) Scale A

Answer: 2

(b) Scale B

Answer: 5

6 Which needs fewer cubes to balance: A or B?

A



B



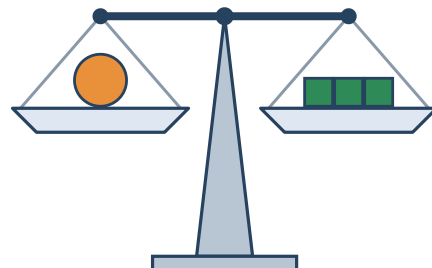
Answer: B (the ball)

7 How many more cubes does the bag need than the ball?

A

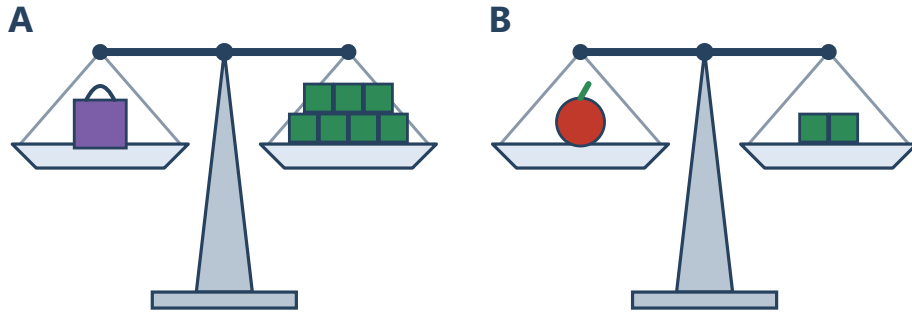


B



Answer: 4

8 How many more cubes does the bag need than the apple?



Answer: 5

9 Sam's bag balances 7 cubes. Ruby's apple balances 2 cubes. Whose item is heavier?

Answer: Sam's bag

10 A book balances 5 cubes. How many cubes balance two books?

Answer: 10

11 Tom uses 4 cubes to balance a book. Priya uses 6 cubes to balance the same book. Who is right? Explain.

Answer: At least one of them has miscounted.

12 Why must all the cubes be the same size? Explain.

Answer: Each cube must weigh the same, so the count tells us how heavy the object is.