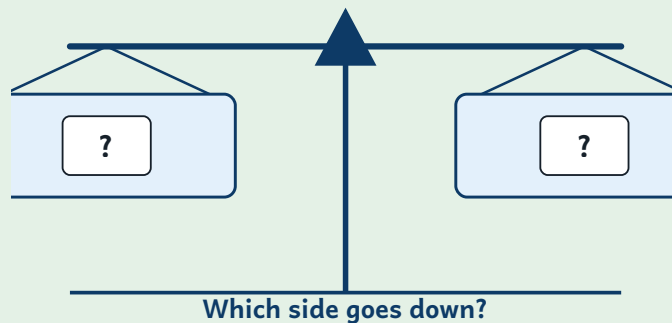


WEIGHING A TIN OF BEANS

- 1 Place the 1 kg sugar bag on the right pan (the side marked 10).
- 2 Place the tin of beans on the left pan.
- 3 The left pan rises and the reading is smaller than 10, so the tin is lighter than 1 kg.
- 4 Write: tin of beans is lighter than 1 kg.

WARM-UP

Use the balance scales to make both sides equal with the 1 kg sugar bag.



1. Set the left pan for the tin of beans reading of 8 against the sugar-bag mark of 10
2. Make both pans level at 10 for the bag of flour
3. Show the schoolbag side lower for the reading of 15 against the sugar-bag mark of 10

PRACTICE

- 1 In the food shop Sam weighs a bunch of bananas against the 1 kg sugar bag. The balance settles at 7.

Balance shows 7 against the sugar-bag mark of 10. Heavier, lighter or about 1 kg?

- 2 Aoife puts a bag of flour on the left pan and the 1 kg sugar bag on the right. Both pans sit level at 10.

Balance shows 10 against the sugar-bag mark of 10. Heavier, lighter or about 1 kg?

- 3 The shopkeeper weighs a full schoolbag against the 1 kg sugar bag. The balance shows 15.

Balance shows 15 against the sugar-bag mark of 10. Heavier, lighter or about 1 kg?

? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- | | |
|---|--|
| a. A bag of sugar with a 1 kg label weighs exactly one kilogram. <input type="text"/> | c. The mark 10 on the sugar-bag side of the balance means one kilogram. <input type="text"/> |
| b. A schoolbag is heavier than a 1 kg sugar bag. <input type="text"/> | d. A tin of beans weighs about 1 kg. <input type="text"/> |