Year 3 maths: Grams and kilograms (Medium)

Maths · Measurement · Level: Medium

Student: _____ Date: _____

Instructions
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. Which is the same as 6500 g?

Circle one answer.

○ **A** 6 kg 500 g ○ **B** 6 kg 50 g ○ **C** 650 kg ○ **D** 65 kg

2. Seeds come in quarter-kilogram packets. How many packets weigh 3 kg?

Circle one answer.

○ **A** 6 ○ **B** 12 ○ **C** 750 ○ **D** 4

3. Which is the heaviest?

Circle one answer.

○ **A** 1 kg 9 g ○ **B** 1 kg 10 g ○ **C** 1 kg 90 g ○ **D** 1100 g

4. Put these from lightest to heaviest.

Write 1, 2, 3 … in the boxes to put them in order.

▢ **A** 750 g ▢ **B** 1 kg 5 g ▢ **C** 1 kg 50 g ▢ **D** 800 g

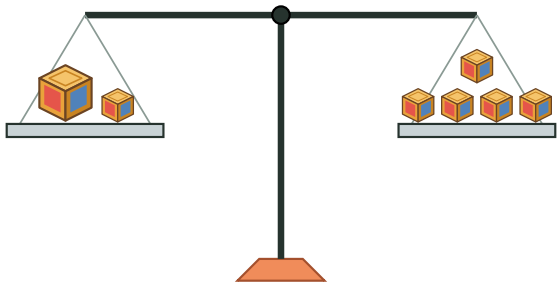
5. Half a kilogram of nuts, 750 g of dates and 250 g of seeds go into one bag. How heavy is the bag?

Circle one answer.

○ **A** 1050 g ○ **B** 1 kg 500 g ○ **C** 2 kg ○ **D** 1 kg

6. The balance is level. Each small block is 250 g. What is the mass of the large block?

Circle one answer.

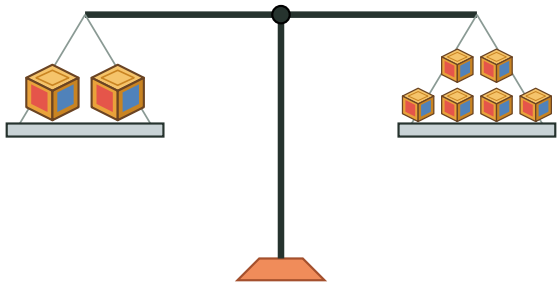


○ **A** 1 kg ○ **B** 1.5 kg

○ **C** 4 g ○ **D** 1250 g

7. The two large blocks have the same mass. Each small block is 100 g. What is the mass of one large block?

Answer: ☐ g



Working:

8. A tin holds 1 kg of peaches. A recipe uses 380 g. How much is left in the tin?

Circle one answer.

○ **A** 380 g ○ **B** 720 g ○ **C** 1380 g ○ **D** 620 g

9. A block of cheese is 1 kg. Grandpa cuts off 125 g. How many grams are left?

Answer: ☐ g

Working:

10. A pumpkin and a 500 g bag of nuts weigh 2 kg altogether. What is the mass of the pumpkin?

Circle one answer.

○ **A** 150 g ○ **B** 1500 g ○ **C** 2500 g

Answer key

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1. A — 6 kg 500 g
6000 g = 6 kg, with 500 g left: 6 kg 500 g.

2. B — 12
4 quarter-kilograms make 1 kg. 3 kg is 3 × 4 = 12 packets.

3. D — 1100 g
In grams: 1090, 1100, 1009 and 1010. 1100 g is the heaviest.

4. 750 g (A) → 800 g (D) → 1 kg 5 g (B) → 1 kg 50 g (C)
In grams: 750, 1005, 1050 and 800. Order: 750 g, 800 g, 1 kg 5 g, 1 kg 50 g.

5. B — 1 kg 500 g
Half a kilogram is 500 g. 500 + 750 + 250 = 1500 g = 1 kg 500 g.

6. A — 1 kg
Take 1 small block off each pan. 1 large block balances 4 small blocks: 4 × 250 g = 1000 g = 1 kg.

7. 300 g
6 small blocks are 600 g. That balances 2 large blocks, so one is 300 g.

8. D — 620 g
Count up from 380 g: 20 g makes 400 g, 600 g makes 1000 g. 20 + 600 = 620 g.

9. 875 g
Count up from 125 g: 75 g makes 200 g, 800 g makes 1000 g. 75 + 800 = 875 g.

10. B — 1500 g
2 kg = 2000 g. 2000 − 500 = 1500 g.