Year 3 maths: Grams and kilograms (Hard)

Maths · Measurement · Level: Hard

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. A recipe uses half a kilogram of pumpkin, 640 g of potato and 180 g of carrot. How many grams altogether?

Answer: ☐ g

Working:

2. A box holds 350 g of grapes, 1 kg 700 g of apples and three quarters of a kilogram of plums. What is the total mass?

Circle one answer.

○ **A** 2 kg 800 g ○ **B** 2 kg 80 g ○ **C** 1 kg 800 g ○ **D** 3 kg 800 g ○ **E** 2 kg 125 g

3. Which is the same as 2.5 kg?

Circle one answer.

○ **A** 2500 g ○ **B** 2050 g ○ **C** 250 g ○ **D** 25 g ○ **E** 2005 g

4. A dog eats 350 g of food each day. How many grams does it eat in a week?

Answer: ☐ g

Working:

5. Which is heavier: 1 kg 90 g or 1200 g, and by how much?

Circle one answer.

○ **A** 1200 g, by 110 g ○ **B** 1 kg 90 g, by 110 g ○ **C** 1200 g, by 1110 g ○ **D** They are the same ○ **E** 1 kg 90 g, by 890 g

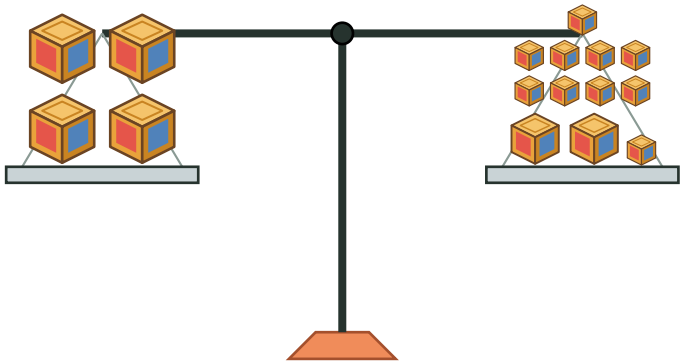
6. A parcel can weigh at most 2 kg. There is already 1 kg 375 g inside. How many more grams can go in?

Answer: ____ g

Working:

7. The large blocks all have the same mass. Each small block is 50 g. What is the mass of one large block?

Answer: ____ g



Working:

8. A 1 kg bag of rice is used for two meals of 235 g each. How many grams are left?

Answer: ____ g

Working:

9. A 1 kg block of chocolate is shared out. 725 g has been eaten. How much is left?

Answer: ____ g

Working:

10. A carton with 10 equal eggs has a mass of 700 g. With 5 eggs taken out, it has a mass of 400 g. What is the mass of the empty carton?

Circle one answer.

○ **A** 300 g ○ **B** 350 g ○ **C** 600 g ○ **D** 200 g ○ **E** 100 g

Answer key

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1. 1320 g

500 + 640 + 180 = 1320 g.

2. A — 2 kg 800 g

350 + 1700 + 750 = 2800 g = 2 kg 800 g.

3. A — 2500 g

2.5 kg is 2 and a half kilograms: 2000 + 500 = 2500 g.

4. 2450 g

7 × 350 = 2450 g (that is 2 kg 450 g).

5. A — 1200 g, by 110 g

1 kg 90 g = 1090 g. 1200 − 1090 = 110. 1200 g is heavier by 110 g.

6. 625 g

2000 − 1375 = 625 g.

7. 250 g

Take 2 large blocks off each pan. 2 large blocks balance 10 small blocks, so 1 large block is 5 small blocks: 250 g.

8. 530 g

The meals use 235 g + 235 g = 470 g. Count up from 470 g: 30 g makes 500 g, 500 g makes 1000 g. 530 g.

9. 275 g

Count up from 725 g: 75 g makes 800 g, 200 g makes 1000 g. 75 + 200 = 275 g.

10. E — 100 g

5 eggs are 700 − 400 = 300 g. All 10 eggs are 600 g. The carton is 700 − 600 = 100 g.