Year 5 maths: Units of length, mass and capacity (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. Four parcels have masses of 3 kg, 850 g, 95 g and 1200 g. What is the total mass in grams?

Answer: ____ g

Working:

2. A shop sells 1 kg 250 g of apples, 2 kg of pears, 750 g of plums and 500 g of cherries. What is the total mass in grams?

Answer: ____ g

Working:

3. Which is the smallest: 1.8 L, 1750 mL or 1 L 850 mL?

Circle one answer.

○ **A** 1 L 850 mL ○ **B** 1750 mL ○ **C** 1.8 L

4. Write 3 kg 45 g as a decimal number of kilograms.

Answer: ____ kg

Working:

5. A ribbon is 4 m 80 cm long. It is cut into 6 equal pieces. How many centimetres long is each piece?

Answer: ☐ cm

Working:

6. A bag of rice is 2 kg. Mum uses 3 scoops of 150 g. How many grams of rice are left?

Answer: ☐ g

Working:

7. Which is the greatest: 2.4 kg, 2 kg 40 g or 2350 g?

Circle one answer.

○ **A** 2350 g ○ **B** 2.4 kg ○ **C** 2 kg 40 g

8. Ravi poured 1 L 50 mL of juice. Which amount is that?

Circle one answer.

○ **A** 10 050 mL ○ **B** 150 mL ○ **C** 1050 mL ○ **D** 1500 mL

9. A 1.5 L bottle is poured into glasses that each hold 250 mL. How many full glasses can be filled?

Answer: ☐ glasses

Working:

10. A water trough holds 12 L. A bucket holds 750 mL. How many bucketfuls fill the trough exactly?

Answer: ☐ bucketfuls

Working:

Answer key

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1. 5145 g

3000 + 850 + 95 + 1200 = 5145 g.

2. 4500 g

1250 + 2000 + 750 + 500 = 4500 g.

3. B — 1750 mL

In millilitres: 1.8 L is 1800 mL, 1 L 850 mL is 1850 mL. 1750 mL is the smallest.

4. 3.045 kg

45 g is 45 thousandths of a kilogram. 3 kg 45 g is 3.045 kg.

5. 80 cm

4 m 80 cm is 480 cm. 480 divided by 6 is 80 cm.

6. 1550 g

3 x 150 = 450 g. 2 kg is 2000 g. 2000 - 450 = 1550 g.

7. B — 2.4 kg

In grams: 2.4 kg is 2400 g, 2 kg 40 g is 2040 g, and the third is 2350 g. The greatest is 2400 g.

8. C — 1050 mL

1 L is 1000 mL. 1000 + 50 = 1050 mL.

9. 6 glasses

1.5 L = 1500 mL. 1500 ÷ 250 = 6 glasses.

10. 16 bucketfuls

12 L = 12 000 mL. 12 000 ÷ 750 = 16 bucketfuls.