

Year 4: Calculating with measures: answers

Year 4 - Perimeter, Area and Measures - Lesson 7.5

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch07-measures/calculating-with-measures/

Exercise 7F Adding, subtracting, multiplying and dividing measures

Non-calculator

1 Add. Write the unit in each answer.

(a) $234 \text{ cm} + 145 \text{ cm} =$

Answer: 379 cm

(b) $456 \text{ g} + 278 \text{ g} =$

Answer: 734 g

(c) $390 \text{ ml} + 465 \text{ ml} =$

Answer: 855 ml

(d) $2,350 \text{ m} + 1,475 \text{ m} =$

Answer: 3,825 m

2 Subtract. Write the unit in each answer.

(a) $785 \text{ cm} - 340 \text{ cm} =$

Answer: 445 cm

(b) $1,000 \text{ g} - 650 \text{ g} =$

Answer: 350 g

(c) $900 \text{ ml} - 275 \text{ ml} =$

Answer: 625 ml

(d) $5,000 \text{ m} - 2,350 \text{ m} =$

Answer: 2,650 m

3 Add. Give each answer in two units.

(a) $2 \text{ m } 60 \text{ cm} + 1 \text{ m } 55 \text{ cm} =$

Answer: 4 m 15 cm

(b) $1 \text{ kg } 350 \text{ g} + 2 \text{ kg } 800 \text{ g} =$

Answer: 4 kg 150 g

(c) $3 \text{ l } 450 \text{ ml} + 1 \text{ l } 650 \text{ ml} =$

Answer: 5 l 100 ml

4 Subtract. Give each answer in two units.

(a) $3 \text{ m } 20 \text{ cm} - 1 \text{ m } 85 \text{ cm} =$

Answer: 1 m 35 cm

(b) $5 \text{ kg } 100 \text{ g} - 2 \text{ kg } 450 \text{ g} =$

Answer: 2 kg 650 g

5 Work out $4 \text{ l} - 1 \text{ l } 250 \text{ ml}$. Give your answer in litres and millilitres.

Answer: 2 l 750 ml

6 These measures use decimals. Work them out and give your answer as a decimal.

(a) $1.5 \text{ kg} + 2.25 \text{ kg} =$

Answer: 3.75 kg

(b) $3.4 \text{ m} + 1.85 \text{ m} =$

Answer: 5.25 m

(c) $5 \text{ l} - 2.5 \text{ l} =$

Answer: 2.5 l

7 Multiply.

(a) $3 \times 250 \text{ g} =$

Answer: 750 g

(b) $5 \times 120 \text{ ml} =$

Answer: 600 ml

(c) $4 \times 275 \text{ cm} =$

Answer: 1,100 cm

(d) $6 \times 150 \text{ g} =$

Answer: 900 g

8 Divide.

(a) $600 \text{ g} \div 3 =$

Answer: 200 g

(b) $1,500 \text{ ml} \div 5 =$

Answer: 300 ml

(c) $2,000 \text{ cm} \div 4 =$

Answer: 500 cm

(d) $2,400 \text{ g} \div 6 =$

Answer: 400 g

9 How much more is needed to make the whole?

(a) $450 \text{ g} + \boxed{?} = 1 \text{ kg}$

Answer: 550 g

(b) $275 \text{ ml} + \boxed{?} = 1 \text{ l}$

Answer: 725 ml

(c) $35 \text{ cm} + \boxed{?} = 1 \text{ m}$

Answer: 65 cm

- 10 A bag of rice has a mass of 2 kg. Dev uses 750 g of the rice. What mass of rice is left? Give your answer in grams.

Answer: 1,250 g

- 11 Aisha runs 1.5 km on Monday and 2.25 km on Tuesday. How far does she run altogether?

Answer: 3.75 km

- 12 Four friends share 1 litre of orange juice equally. How much juice does each friend get?

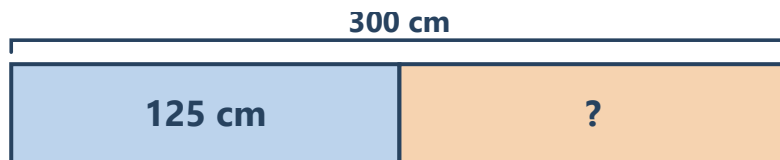
Answer: 250 ml

- 13 Leo says, "1 m + 45 cm = 46 cm." What mistake has Leo made? What is the correct total?

Answer: 145 cm (or 1 m 45 cm)

Exercise 7G Measure problems Non-calculator

- 1 Ali has a ribbon 3 m long. He cuts off a piece 1 m 25 cm long. How much ribbon is left? Give your answer in metres and centimetres.



Answer: 1 m 75 cm

- 2 Each bag of flour has a mass of 1.5 kg. Zoe buys 3 bags. What is the total mass of the flour?

Answer: 4.5 kg

- 3 A water bottle holds 750 ml. Amira has 4 bottles.

- (a) How many millilitres of water do the 4 bottles hold?

Answer: 3,000 ml

- (b) Write this amount in litres.

Answer: 3 l

- 4 A parcel is a box with 3 books inside. The box has a mass of 850 g and each book has a mass of 450 g. What is the total mass of the parcel? Give your answer in kg and g.



Answer: 2 kg 200 g

- 5** Mei walks 1.4 km to the park. Then she walks 800 m to the shop.

(a) How far has she walked in metres?

Answer: 2,200 m

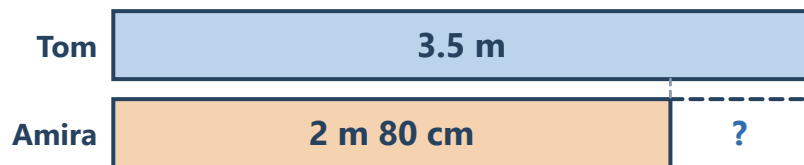
(b) How far has she walked in kilometres?

Answer: 2.2 km

- 6** A bucket holds 5 litres of water. How many 250 ml cups of water can be filled from the bucket?

Answer: 20 cups

- 7** Tom's rope is 3.5 m long. Amira's rope is 2 m 80 cm long. How much longer is Tom's rope? Give your answer in centimetres.



Answer: 70 cm

- 8** Jack has two apples. One has a mass of 295 g and the other has a mass of 410 g.

(a) Estimate the total mass by rounding each mass to the nearest 100 g.

Answer: 700 g

(b) Work out the exact total mass.

Answer: 705 g

- 9** A recipe for 4 people uses 300 g of pasta. How much pasta is needed for 12 people?

Answer: 900 g

- 10** Zoe says, "3 bags of 350 g have a total mass of more than 1 kg." Is Zoe right? Show how you know.

Answer: Yes. 3 bags have a mass of 1,050 g, which is more than 1 kg

- 11** Sam says, "2 m – 75 cm = 1 m 25 cm." Is Sam right? Show how you know.

Answer: Yes

- 12** A van can carry up to 5 kg. Three parcels have masses of 1.2 kg, 850 g and 2.5 kg. Can the van carry all three parcels at the same time? How much more mass could the van carry?

Answer: Yes. 450 g more

