

Year 4: Comparing, ordering and estimating measures: answers

Year 4 - Perimeter, Area and Measures - Lesson 7.4

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/comparing-ordering-and-estimating-measures/

Exercise 7E Comparing, ordering and estimating Non-calculator

1 Write $<$, $>$ or $=$ in each box.

- (a) 2 m [] 150 cm

Answer: $>$

- (b) 3 kg [] 3,500 g

Answer: $<$

- (c) 2,000 ml [] 2 l

Answer: $=$

- (d) 4 km [] 3,900 m

Answer: $>$

- (e) 50 mm [] 5 cm

Answer: $=$

2 Which is the bigger measure?

- (a) 2.5 kg or 2,450 g

Answer: 2.5 kg

- (b) 1.2 l or 1,250 ml

Answer: 1,250 ml

- (c) 0.5 m or 45 cm

Answer: 0.5 m

3 Write each set of measures in order, smallest first.

- (a) 3 m, 295 cm, 3.5 m, 310 cm

Answer: 295 cm, 3 m, 310 cm, 3.5 m

- (b) 1.2 kg, 1,150 g, 1 kg, 1,300 g

Answer: 1 kg, 1,150 g, 1.2 kg, 1,300 g

4 Write each set of measures in order, biggest first.

- (a) 2 km, 1,900 m, 2.5 km, 2,050 m

Answer: 2.5 km, 2,050 m, 2 km, 1,900 m

- (b) 0.5 l, 450 ml, 600 ml, 0.25 l

Answer: 600 ml, 0.5 l, 450 ml, 0.25 l

5 Which unit is best for measuring each of these?

- (a) The height of a classroom door: mm, cm, m or km

Answer: m

- (b) The length of an ant: mm, cm, m or km

Answer: mm

- (c) The mass of a grape: g or kg

Answer: g

- (d) The mass of a watermelon: g or kg

Answer: kg

- (e) The amount of medicine on a spoon: ml or l

Answer: ml

- (f) The amount of water in a bath: ml or l

Answer: l

6 Choose the best estimate for each.

- (a) How tall is a door?

A 2 cm **B** 2 m **C** 2 km

Answer: B: 2 m

- (b) How much does a cup of tea hold?

A 25 ml **B** 250 ml **C** 2.5 l

Answer: B: 250 ml

- (c) What is the mass of a Year 4 child?

A 3 kg **B** 30 kg **C** 300 kg

Answer: B: 30 kg

- (d) How far is it to walk from your classroom door to the school gate?

A 5 mm **B** 50 cm **C** 50 m

Answer: C: 50 m

7 Round each measure to the nearest number given.

- (a) 3,460 g to the nearest 100 g =

Answer: 3,500 g

- (b) 2,340 ml to the nearest 100 ml =

Answer: 2,300 ml

- (c) 4,820 m to the nearest 1,000 m =

Answer: 5,000 m

- (d) 685 cm to the nearest 10 cm =

Answer: 690 cm

- 8 Four ropes are shown.



- (a) Write the lengths in order, shortest first.

Answer: 280 cm, 3 m, 310 cm, 3.2 m

- (b) Which colour is the shortest rope?

Answer: Blue rope

- 9 Three children jump in a long jump competition. Write the jumps in order, longest first.



Answer: 215 cm, 2.1 m, 2.05 m

- 10 Zara needs to carry 1.5 litres of soup. She has four containers: A holds 1,000 ml, B holds 1,400 ml, C holds 1,600 ml and D holds 2,000 ml. Which is the smallest container that can hold all the soup?

Answer: C

- 11 Aisha says, "2,500 g is more than 3 kg, because 2,500 is bigger than 3." Is she correct? Explain.

Answer: No. 2,500 g is less than 3 kg

- 12 Write three different ways to show the mass 1.5 kg.

Answer: For example 1,500 g; 1 kg 500 g; 1 1/2 kg

- 13 Always, sometimes or never true? "The measure with the number that has more digits is the bigger measure." Explain.

Answer: Sometimes

- 14 Write a whole number of centimetres that makes this true. $2.4 \text{ m} < \boxed{?} \text{ cm} < 2.5 \text{ m}$

Answer: Any whole number from 241 to 249, for example 245