

Year 4: Comparing, ordering and rounding decimals: answers

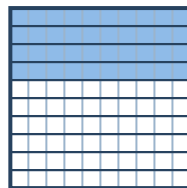
Year 4 - Tenths, Hundredths and Money - Lesson 6.5

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/ch06-decimals-money/comparing-ordering-and-rounding-decimals/

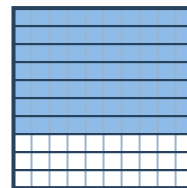
Exercise 6E Comparing, ordering and rounding decimals Non-calculator

1 Look at the hundred squares. Write $<$ or $>$ between the numbers.

(a)



0.4

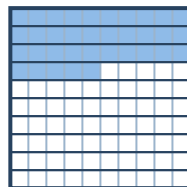


0.7

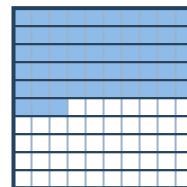
0.4 0.7

Answer: $0.4 < 0.7$

(b)



0.35

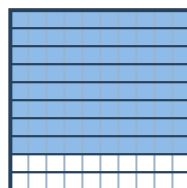


0.53

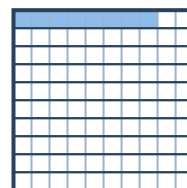
0.35 0.53

Answer: $0.35 < 0.53$

(c)



0.8



0.08

0.8 0.08

Answer: $0.8 > 0.08$

2 Quick-fire! Write $<$, $>$ or $=$ in each box.

(a) 0.3 0.8

Answer: $0.3 < 0.8$

(b) 2.5 2.1

Answer: $2.5 > 2.1$

(c) 4.0 3.9

Answer: $4.0 > 3.9$

(d) 6.7 [] 6.9

Answer: $6.7 < 6.9$

(e) 9.1 [] 8.9

Answer: $9.1 > 8.9$

(f) 3.3 [] 3.3

Answer: $3.3 = 3.3$

3 Quick-fire! Write $<$, $>$ or $=$ in each box.

(a) 0.34 [] 0.43

Answer: $0.34 < 0.43$

(b) 5.62 [] 5.26

Answer: $5.62 > 5.26$

(c) 1.07 [] 1.70

Answer: $1.07 < 1.70$

(d) 3.45 [] 3.45

Answer: $3.45 = 3.45$

(e) 0.58 [] 0.59

Answer: $0.58 < 0.59$

(f) 7.91 [] 7.19

Answer: $7.91 > 7.19$

4 Write each set of numbers in order, smallest first.

(a) 0.6, 0.2, 0.9, 0.4

Answer: 0.2, 0.4, 0.6, 0.9

(b) 3.7, 3.1, 2.8, 3.0

Answer: 2.8, 3.0, 3.1, 3.7

(c) 0.45, 0.54, 0.04, 0.40

Answer: 0.04, 0.40, 0.45, 0.54

5 Write each set of numbers in order, biggest first.

(a) 1.5, 5.1, 1.1, 5.5

Answer: 5.5, 5.1, 1.5, 1.1

(b) 0.72, 0.27, 0.77, 0.07

Answer: 0.77, 0.72, 0.27, 0.07

6 The number line goes from 5 to 6. Write each point as a decimal. Then write the three numbers in order, smallest first.



(a) A =

Answer: 5.7

(b) B =

Answer: 5.2

(c) C =

Answer: 5.9

(d) Smallest first:

Answer: 5.2, 5.7, 5.9

7 Round each number to the nearest whole number.

(a) 3.4 $\approx$

Answer: 3

(b) 6.5 $\approx$

Answer: 7

(c) 8.9 $\approx$

Answer: 9

(d) 12.1 $\approx$

Answer: 12

(e) 0.7 $\approx$

Answer: 1

(f) 19.5 $\approx$

Answer: 20

8 Round each number to the nearest whole number. The number lines will help you.

(a)



2.3 $\approx$

Answer: 2

(b)



6.8 $\approx$

Answer: 7

(c)



9.5 $\approx$

Answer: 10

9 Between which two whole numbers does each number lie? Which one is it closer to?

(a) 6.2 is between and

Answer: 6 and 7; closer to 6

(b) 14.8 is between and

Answer: 14 and 15; closer to 15

(c) 0.4 is between and

Answer: 0 and 1; closer to 0

10 Three children jump in a long jump competition. Amira jumps 2.35 m, Noah jumps 2.53 m and Tom jumps 2.30 m.

(a) Write the jumps in order, longest first.

Answer: 2.53 m, 2.35 m, 2.30 m

(b) Write the jumps in order, shortest first.

Answer: 2.30 m, 2.35 m, 2.53 m

11 Round each measure to the nearest whole number.

(a) A walk is 3.6 km long. Round the length to the nearest whole number of km.

Answer: 4 km

(b) A jug holds 7.2 litres. Round the amount to the nearest whole number of litres.

Answer: 7 litres

(c) A parcel has a mass of 12.5 kg. Round the mass to the nearest whole number of kg.

Answer: 13 kg

12 Sam says, "0.45 is bigger than 0.5, because 45 is bigger than 5." Is Sam right? Explain.

Answer: No. 0.5 is bigger

13 Which two numbers round to 5 when rounded to the nearest whole number? Tick **two** boxes.

A 4.5 **B** 4.4 **C** 5.4 **D** 5.5

Answer: A and C

14 A number with one decimal place is rounded to the nearest whole number and the answer is 8. What is the smallest the number could be? What is the biggest?

Answer: Smallest 7.5, biggest 8.4