

Y4 Compare Round Decimals

KS2 Y4 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Round 6.3 to the nearest whole number.

Step 1 · Whole numbers either side

6 and 7

Step 2 · Look at the tenths digit

3 — less than 5

Answer: 6.3 rounds to 6

Check: 6.3 is 3 tenths from 6 and 7 tenths from 7 ✓

2. Now try one with the steps

Round 2.5 m to the nearest whole metre.

Step 1 · Whole numbers either side

Step 2 · Tenths digit is 5: exactly halfway

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. Round 4.2 to the nearest whole number.

2. Round 7.8 to the nearest whole number.

3. Round 0.6 to the nearest whole number.

4. Round 9.5 to the nearest whole number.

5. Which is greater: 0.7 or 0.3?

6. Which is greater: 2.61 or 2.16?

7. Write < or > between them: 5.43 __ 5.47

8. Order from smallest to largest: 0.8, 0.2, 0.5

9. A pumpkin weighs 3.4 kg. Round its mass to the nearest kilogram.

10. Order from smallest to largest: 3.09, 3.9, 3.19

11. Which is greater: 0.5 or 0.45?

12. Three runners' times are 12.45 s, 12.54 s and 12.4 s. Which time is the fastest (smallest)?

13. Write a decimal with one decimal place that rounds to 6 and is bigger than 6.

14. What is the smallest number with one decimal place that rounds to 8?

4. Before you hand it in

Thinking 0.45 > 0.5 because 45 is bigger than 5.

Compare tenths first: 0.45 has 4 tenths, 0.5 has 5 tenths. Write 0.5 as 0.50 to compare.

Rounding every decimal up, so 6.3 → 7.

To round to a whole number, look only at the tenths digit. 3 tenths: round down to 6.

Rounding 9.5 to 9.

5 tenths is exactly halfway, so round up: $9.5 \rightarrow 10$.

Thinking a number with more digits must be bigger: $3.19 > 3.9$.

For decimals, line up the decimal points and compare place by place. $3.90 > 3.19$.