

Y5 Order Round Decimals

KS2 Y5 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Round 3.68 to the nearest whole number.

Step 1 · Whole numbers either side

3 and 4

Step 2 · Look at the tenths digit

6, which is 5 or more

Answer: $3.68 \approx 4$

Check: Halfway is 3.5 and 3.68 is past it ✓

2. Now try one with the steps

Round 7.25 to 1 decimal place.

Step 1 · Tenths either side

Step 2 · Look at the hundredths digit

Step 3 · Halfway rounds up

Answer:

3. Practice

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

1. Round 4.3 to the nearest whole number.

2. Round 8.71 to the nearest whole number.

3. Round 12.5 to the nearest whole number.

4. Round 2.64 to 1 decimal place.

5. Round 5.38 to 1 decimal place.

6. Use < or >: 0.6 ____ 0.58

7. Use < or >: 3.072 ____ 3.27

8. Order from smallest: 1.5, 1.05, 1.55, 1.505

9. Round 15.351 to 1 decimal place.

10. Round 0.96 to the nearest whole number.

11. Order from largest: 0.3, 0.033, 0.303, 0.33

12. In a long-jump contest, Ruby jumped 2.408 m, Amir 2.48 m and Chloe 2.084 m. Who jumped furthest?

13. A number rounds to 6.2 to 1 decimal place. What is the smallest it could be, with 2 decimal places?

14. Write a number with 3 decimal places that is between 0.7 and 0.71.

4. Before you hand it in

Thinking 0.405 > 0.45 because 405 > 45.

Line up the decimal points or add zeros: 0.405 and 0.450. Then $405 < 450$ thousandths.

Rounding 2.64 to 1 decimal place as 3.

1 decimal place means the answer has tenths: 2.6 or 2.7. The hundredths digit is 4, so 2.6.

Rounding 9.96 to 1 decimal place as 9.10.

99 tenths + 1 tenth = 100 tenths = 10.0.

Thinking 3.072 > 3.27 because it has more digits.

Compare column by column from the left: the tenths are 0 and 2, so $3.072 < 3.27$.