

Y6 Rounding Whole Numbers

KS2 Y6 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Round 3,748,261 to the nearest 100,000.

Step 1 · Which two multiples of 100,000 is it between?

3,700,000 and 3,800,000

Step 2 · Look at the next digit to the right (ten thousands)

4, which is less than 5

Step 3 · Round down

3,700,000

Answer: 3,700,000

Check: Halfway is 3,750,000, and 3,748,261 is below it ✓

2. Now try one with the steps

Round 2,996,500 to the nearest 10,000.

Step 1 · Between which multiples of 10,000?

Step 2 · Thousands digit

Answer:

3. Practice

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

1. Round 4,362 to the nearest 100.

2. Round 85,519 to the nearest 1,000.

3. Round 247,850 to the nearest 10,000.

4. Round 1,649,000 to the nearest 100,000.

5. Round 7,503,112 to the nearest million.

6. Round 3,095,400 to the nearest 10,000.

7. Round 9,999 to the nearest 10.

8. Round 6,250,000 to the nearest 100,000.

9. Round 482,736 to the nearest 10, the nearest 100 and the nearest 1,000.

10. A town has 248,615 people. A leaflet says 'about 250,000'. To the nearest what has it been rounded?

11. A whole number rounds to 3,400 to the nearest 100. What is the smallest it could be?

12. A whole number rounds to 3,400 to the nearest 100. What is the largest it could be?

13. Ahmed rounds 2,964,000 to the nearest 100,000 and writes 2,900,000. What should it be?

14. Round 5,555,555 to the nearest million and to the nearest 100,000.

15. Round each number to the nearest 100,000 to estimate $3,812,000 + 1,295,000$.

4. Before you hand it in

Rounding 3,748,261 to the nearest 100,000 as 3,800,000 because of the 7.

The deciding digit is always one place to the right of the place you are rounding to. Here it is the 4 in the ten thousands, so round down.

Rounding 2,996,500 to the nearest 10,000 and writing 2,900,000.

Find the two multiples first (2,990,000 and 3,000,000), then pick the nearer one.

Rounding 64,500 to the nearest 1,000 as 64,000.

When the deciding digit is 5 or more, round up: 64,500 → 65,000.