

Year 4: Rounding to the nearest 10, 100 or 1000: answers

Year 4 - Place Value - Lesson 1.4

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/ch01-place-value/rounding-to-the-nearest-10-100-or-1000/

Exercise 1D Rounding and estimating Non-calculator

1 Round each number to the nearest **10**.

(a) 63

Answer: 60

(b) 78

Answer: 80

(c) 145

Answer: 150

(d) 2,384

Answer: 2,380

(e) 5,495

Answer: 5,500

(f) 7,001

Answer: 7,000

2 Round each number to the nearest **100**.

(a) 340

Answer: 300

(b) 3,650

Answer: 3,700

(c) 6,238

Answer: 6,200

(d) 4,950

Answer: 5,000

(e) 8,449

Answer: 8,400

(f) 9,960

Answer: 10,000

3 Round each number to the nearest **1000**.

(a) 4,280

Answer: 4,000

(b) 6,500

Answer: 7,000

(c) 7,999

Answer: 8,000

(d) 2,499

Answer: 2,000

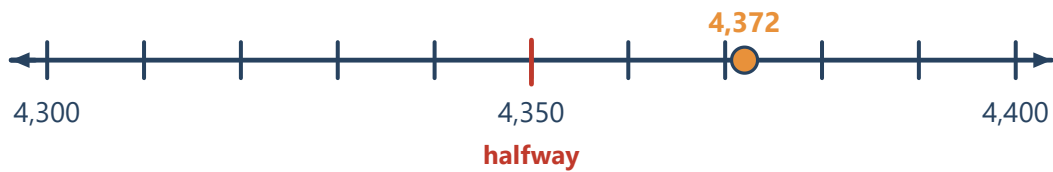
(e) 9,501

Answer: 10,000

(f) 1,350

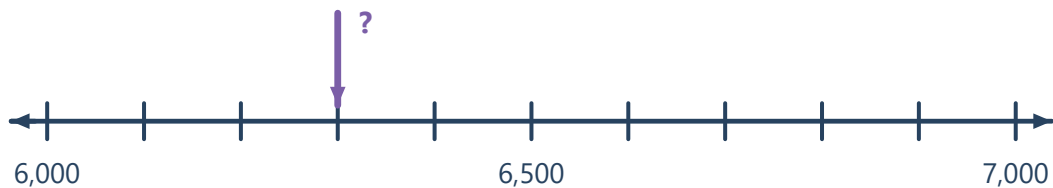
Answer: 1,000

4 The number line shows 4,372. Use it to round 4,372 to the nearest 100.



Answer: 4,400

5 The arrow points to a number. Round that number to the nearest 1000.



Answer: 6,000

6 Round 5,764 to the nearest:

(a) 10

Answer: 5,760

(b) 100

Answer: 5,800

(c) 1000

Answer: 6,000

7 Which digits could go in the box so that 4,3?6 rounds to 4,400 when rounded to the nearest 100?

Answer: 5, 6, 7, 8 or 9

- 8** A newspaper rounds crowd sizes to the nearest 1000. On Saturday 5,610 people came to a match. On Sunday 5,390 people came to the match.

(a) What number does the newspaper write for Saturday?

Answer: 6,000

(b) What number does the newspaper write for Sunday?

Answer: 5,000

(c) The newspaper says "The crowd was the same on both days." Is that true? Explain.

Answer: No. The real crowds were different (5,610 and 5,390).

- 9** Estimate the answer by rounding each number first.

(a) $4,968 + 3,012$ (round to the nearest 1,000)

Answer: 8,000

(b) $7,098 - 2,947$ (round to the nearest 1,000)

Answer: 4,000

(c) $6,214 + 2,788$ (round to the nearest 100)

Answer: 9,000

- 10** Which of these numbers does **not** round to 5,000 when rounded to the nearest 1000? 4,501 5,499 5,500 4,999

Answer: 5,500

- 11** Aisha says, "3,456 rounded to the nearest 10 is 3,500." Spot her mistake. What is the correct answer?

Answer: 3,460

- 12** Tom says, "The smallest whole number that rounds to 700 (to the nearest 100) is 650, and the largest is 749." Is Tom right? Explain.

Answer: Yes. 650 is the smallest and 749 is the largest.

- 13** Ruby's school is 3,845 metres from her home.

(a) Round this distance to the nearest 100 metres.

Answer: 3,800 m

(b) Round this distance to the nearest 1000 metres. How many kilometres is that?

Answer: 4,000 m = 4 km

- 14** Use each of the digits 7, 5, 3 and 2 once to make a four-digit number that rounds to 7,000 when rounded to the nearest 1000. Write all the numbers that work.

Answer: 7,235, 7,253, 7,325, 7,352