

Year 5: Rounding and estimating: answers

Year 5 - Place Value to 1,000,000 - Lesson 1.5

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-5/ch01-place-value/rounding-and-estimating/

Exercise 1E Rounding and estimating Non-calculator

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

(a) 74

Answer: 70

(b) 365

Answer: 370

(c) 2,384

Answer: 2,380

(d) 15,495

Answer: 15,500

(e) 70,001

Answer: 70,000

(f) 428,555

Answer: 428,560

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

(a) 347

Answer: 300

(b) 3,650

Answer: 3,700

(c) 62,238

Answer: 62,200

(d) 49,950

Answer: 50,000

(e) 128,449

Answer: 128,400

(f) 999,960

Answer: 1,000,000

3 Round each number to the nearest **1,000**.

(a) 4,280

Answer: 4,000

(b) 36,500

Answer: 37,000

(c) 79,999

Answer: 80,000

(d) 252,499

Answer: 252,000

(e) 499,501

Answer: 500,000

(f) 910,350

Answer: 910,000

4 Round each number to the nearest 10,000.

(a) 38,200

Answer: 40,000

(b) 65,000

Answer: 70,000

(c) 124,999

Answer: 120,000

(d) 449,500

Answer: 450,000

(e) 895,001

Answer: 900,000

(f) 7,300

Answer: 10,000

5 Round each number to the nearest 100,000.

(a) 340,000

Answer: 300,000

(b) 450,000

Answer: 500,000

(c) 249,999

Answer: 200,000

(d) 650,100

Answer: 700,000

(e) 85,000

Answer: 100,000

(f) 960,500

Answer: 1,000,000

6 Round 354,628 to the nearest:

(a) 10

Answer: 354,630

(b) 100

Answer: 354,600

(c) 1,000

Answer: 355,000

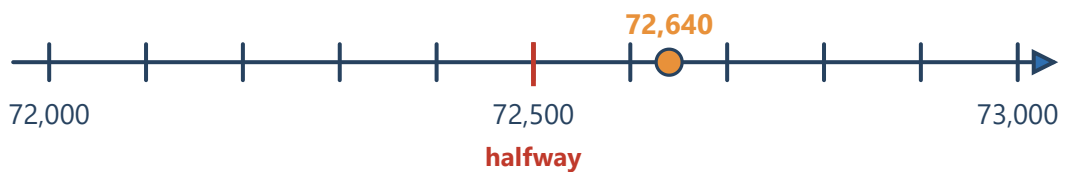
(d) 10,000

Answer: 350,000

(e) 100,000

Answer: 400,000

7 The number line shows 72,640. Use it to round 72,640 to the nearest 1,000.



Answer: 73,000

8 The arrow points to a number. Round that number to the nearest 10,000.



Answer: 50,000

- 9 The table shows how many people live in four towns. Round each number to the nearest 10,000.

Town	People
Fenby	43,816
Grimsworth	128,450
Hale	96,500
Ingleby	252,049

- (a) Fenby

Answer: 40,000

- (b) Grimsworth

Answer: 130,000

- (c) Hale

Answer: 100,000

- (d) Ingleby

Answer: 250,000

- 10 Which of these numbers does **not** round to 60,000 when rounded to the nearest 10,000? 55,000 64,999 65,000 59,500

Answer: 65,000

- 11 Which digits could go in the box so that 6 500 rounds to 70,000 when rounded to the nearest 10,000?

Answer: 5, 6, 7, 8 or 9

- 12 Find the smallest and the largest whole number that round to each number.

- (a) 250 (to the nearest 10)

Answer: 245 and 254

- (b) 7,000 (to the nearest 1,000)

Answer: 6,500 and 7,499

- (c) 300,000 (to the nearest 100,000)

Answer: 250,000 and 349,999

- 13 Estimate each answer by rounding the numbers first.

- (a) $6,214 + 2,788$ (round to the nearest 1,000)

Answer: 9,000

- (b) $48,920 - 21,350$ (round to the nearest 10,000)

Answer: 30,000

- (c) $418,200 + 189,700$ (round to the nearest 100,000)

Answer: 600,000

- 14** Amira adds $38,420 + 41,690$. She gets 70,110. Use an estimate to show that her answer cannot be right. What should the answer be?

Answer: 80,110

- 15** A report says the crowd at a match was 42,000 to the nearest 1,000. What is the smallest and the largest number of people who could have been there?

Answer: 41,500 and 42,499

- 16** A car costs £14,950. Round the price to the nearest:

(a) £1,000

Answer: 15,000

(b) £100

Answer: 15,000

(c) £10,000

Answer: 10,000

- 17** Leo rounds 349,500 to the nearest 100,000. He says, "349,500 rounds to 350,000, and that rounds to 400,000." Is he right? Explain.

Answer: No. 349,500 rounds to 300,000.

- 18** Is this always, sometimes or never true?

"A number rounded to the nearest 10 is the same as when it is rounded to the nearest 100."

Answer: Sometimes

- 19** Zainab says, "250,000 is closer to 200,000 than to 300,000." Is she right? What does 250,000 round to, to the nearest 100,000?

Answer: No. It is the same distance from both, and rounds up to 300,000.