Rounding and estimating

Name: _____ Date: _____

Remember: Look at the digit to the **right** of the place you round to: 0–4 round **down**, 5–9 round **up**. Nearest 5: 0–2 → …0, 3–7 → …5, 8–9 → next …0. **Why?** You choose the round number that is closest.

1. Round 368 to the nearest 10.

Answer: _____

2. Round 46 250 to the nearest 100.

Answer: _____

3. Round 139 480 to the nearest 1 000.

Answer: _____

4. Round 82 to the nearest 5.

Answer: _____

5. Round 705 995 to the nearest 10.

Answer: _____

6. Round 249 951 to the nearest 100.

Answer: _____

7. Round 599 500 to the nearest 1 000.

Answer: _____

8. Round 1 247 to the nearest 5.

Answer: _____

9. Round 88 888 to the nearest 1 000.

Answer: _____

10. What is the **smallest** whole number that rounds to 7 350 (nearest 10)?

Answer: _____

11. What is the **biggest** whole number that rounds to 46 000 (nearest 1 000)?

Answer: _____

12. Estimate 48 170 + 22 960 by rounding both to the nearest 10 000.

Answer: _____

13. Estimate 387 × 52. Round 387 to the nearest 100 and 52 to the nearest 10.

Answer: _____

14. A newspaper writes a school has “about 1 800” learners. The school has 1 846 learners. What was the number rounded to?

Answer: _____

15. Thabo rounds a whole number to the nearest 10 and gets 70. Write all the numbers it could have been.

Answer: _____

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I got _____ out of 15 ★ ★ ★

Memo · Rounding and estimating

1. **370**
   Look at the ones digit: 8. 5 or more: round up.

2. **46 300**
   Look at the tens digit: 5. 5 or more: round up.

3. **139 000**
   Look at the hundreds digit: 4. Less than 5: round down.

4. **80**
   Look at the ones digit: 2. 0–2 → …0; 3–7 → …5; 8–9 → next …0.

5. **706 000**
   Look at the ones digit: 5. 5 or more: round up.

6. **250 000**
   Look at the tens digit: 5. 5 or more: round up.

7. **600 000**
   Look at the hundreds digit: 5. 5 or more: round up.

8. **1 245**
   Look at the ones digit: 7. 0–2 → …0; 3–7 → …5; 8–9 → next …0.

9. **89 000**
   Look at the hundreds digit: 8. 5 or more: round up.

10. **7 345**
    Halfway rounds up.

11. **46 499**
    46 500 already rounds up to 47 000.

12. **70 000**
    50 000 + 20 000 = 70 000 (exact: 71 130)

13. **20 000**
    400 × 50 = 20 000

14. **The nearest 100**
    1 846 ≈ 1 800 (nearest 100). To the nearest 1 000 it would be 2 000.

15. **65, 66, 67, 68, 69, 70, 71, 72, 73, 74**
    From 65 (halfway rounds up) to 74.

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