

STUDY LINK
7•11

Unit 7 Review



1. Circle the number sentences that are true.

$25 + (-6) < -32$

$4^2 < 2^4$

$15 * 15 * 15 < 15^3$

$21 * 21 = 21^3$

$-5 - (-58) = 53$

$25 > 5^2 - (-2)$

Write each number as a power of 10.

2. 1,000,000 _____

3. 10,000 _____

4. 1 hundred-thousand _____

5. 1 billion _____

Match the number written in number-and-word notation with its standard notation.

Fill in the oval next to the correct answer.

6. 3 million

300,000

30,000,000

3,000,000

30,000

7. 20 thousand

200,000

20,000

2,000,000

20,000,000

8. 640 thousand

6,400,000

64,000,000

640,000,000

640,000

9. 2.6 million

26,000,000

2,060,000

20,600,000

2,600,000

Write the following numbers in expanded notation.

10. 8,759 _____

11. 87.59 _____

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Write each number in scientific notation.

12. 8 million _____

13. 7 billion _____

14. 3 thousand _____

15. 17 billion _____

- 16.** Louise bought three 6-pack containers of yogurt. She ate 5 individual containers of yogurt in one week. How many containers did she have left?

Number model: _____ Answer: _____

- 17.** The water in Leroy's and Jerod's fish tank had evaporated so it was about $\frac{5}{8}$ inch below the level it should be. They added water and the water level went up about $\frac{3}{4}$ inch. Did the water level end up above or below where it should be?

How much above or below?

Number model: _____ Answer: _____

Find the number that each variable represents.

18. $2.4 + 62.8 + 3.752 = f$ _____

19. $86.54 + b = 87$ _____

20. $33\frac{1}{3}\% + p = 100\%$ _____

21. $6,284 \div 4 = a$ _____

22. $8,463 \div 8 = v$ _____

23. $963 \div 7 = k$ _____