

CHAPTER 1 | PRACTICE TEST

Integers

Name _____

Date _____

Show organized work. Simplify fractions. Explain when asked.

Score: _____ / **60**

1. Order -12, $|-5|$, $-|9|$, 0, and 7 from least to greatest. (5 pts)

2. Insert $<$, $>$, or $=$ to make each statement true. a. -14 _____ -8 b. $|-14|$ _____ $|-8|$ Explain why the two comparisons have different symbols. (4 pts)

3. A balloon moves from 48 feet to 12 feet in 4 seconds. Find its velocity. Include units and explain what the sign means. (5 pts)

4. $-13 + 18$ (3 pts)

5. $-22 + (-9)$ (3 pts)

6. $15 + (-15) + (-8)$ (3 pts)

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Integers

7. $7 - 19$ (3 pts)

8. $-11 - (-6)$ (3 pts)

9. The temperature changes from -16 degrees F to 11 degrees F. Find the change. (3 pts)

10. $(-8)(7)$ (3 pts)

11. $(-6)(-9)$ (2 pts)

12. $(-2)(5)(-4)(-1)$ (3 pts)

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Integers

13. $-72 \div 8$ (2 pts)

14. $0 \div (-15)$ (2 pts)

15. $-45 \div 0$ For Exercise 15, explain why the quotient is or is not defined. Use multiplication to support your answer. reasoning. Explain using multiplication. (4 pts)

16. A pool loses 16 gallons of water each week. What is the total change in the amount of water after 9 weeks? (4 pts)

17. A team's score changes by -42 points over 6 equal rounds. Find and interpret the mean change per round. (4 pts)

18. A student evaluates $-24 \div (-6)$ as shown. $-24 \div (-6) = -4$ Identify the student's error. Give the correct quotient and verify it with multiplication. (4 pts)
