

CHAPTER 2 | PRACTICE TEST

Rational Numbers

Name _____

Date _____

Show organized work. Simplify fractions. Explain when asked.

Score: _____ / **60**

1. Write $-\frac{7}{20}$ as a decimal. (3 pts)

2. Write 2.625 as a fraction or mixed number in simplest form. (3 pts)

3. Insert $<$, $>$, or $=$: -3.42 _____ $-3\frac{3}{8}$ (2 pts)

4. Order from least to greatest: 1.2 , $-\frac{5}{4}$, $\frac{7}{8}$, -0.95 (3 pts)

5. $-\frac{5}{6} + \frac{7}{12}$ (3 pts)

6. $-3.75 + 5.28$ (3 pts)

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7. $4\frac{1}{5} - (-2\frac{3}{10})$ (3 pts)

8. $-6.4 - (-2.85)$ (3 pts)

9. Find the distance between -3.6 and 5.25 on a number line. (3 pts)

10. At dawn the temperature is -7.5°C . By noon it is 3.2°C . What is the change in temperature? (3 pts)

11. $(-\frac{7}{9})(-1\frac{1}{2})$ (3 pts)

12. $(-2.4)(3.75)$ (3 pts)

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13. $-3 \frac{1}{3} \div \frac{5}{6}$ (3 pts)

14. $8.64 \div (-1.2)$ (3 pts)

15. Evaluate $-2.5 - 6.3 \div (-0.9)$. (4 pts)

16. A tank contains 18.5 liters of water. It drains 2.75 liters per minute for 4 minutes. Write an expression and find the amount remaining. Interpret your result. (5 pts)

17. A student says $(-\frac{4}{5})(-\frac{2}{3}) = -\frac{8}{15}$. Identify the error, find the correct product, and justify its sign. (5 pts)

18. A hiker begins 120 feet below a viewpoint, climbs 18.5 feet per hour for 6 hours, and then descends 14 feet. What is the hiker's final position relative to the viewpoint? Explain. (5 pts)
