Name: _____

1-8 Additional Practice

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1. Classify the quotient of $-35 \div -5$ as positive or negative.

2. Find the quotient of $\frac{-36}{-6}$.

3. Evaluate and order each quotient from least to greatest. Identify any expressions that are undefined.

$-30 \div 6$ $\quad 0 \div (-20)$ $\quad \frac{-44}{-4}$ $\quad 21 \div (-7)$ $\quad -\left(\frac{-3}{-2}\right)$

4. Which of the quotients are equivalent to 5? Select all that apply.

- ☐ $\frac{5}{-1}$
- ☐ $\frac{-15}{-3}$
- ☐ $\frac{-5}{-1}$
- ☐ $\frac{-15}{3}$
- ☐ $\frac{-5}{1}$

5. Which of the quotients are equivalent to $-\left(\frac{48}{17}\right)$? Select all that apply.

- ☐ $\frac{-17}{-48}$
- ☐ $\frac{48}{17}$
- ☐ $\frac{48}{-17}$
- ☐ $\frac{-48}{17}$
- ☐ $-2\frac{14}{17}$

6. An elevator steadily descends 500 feet in 20 seconds. How would you express the change in the elevator's height per second?

7. Write three expressions that are equivalent to $\frac{70}{-5}$.

8. Use Structure Terry descends 110 feet in 10 minutes inside a cave. Which of the expressions shows Terry's change in position from where he was before descending. MP.7

Ⓐ $\frac{-110 \text{ feet}}{-10 \text{ minutes}}$

Ⓑ $\frac{110 \text{ feet}}{10 \text{ minutes}}$

Ⓒ $\frac{10 \text{ feet}}{-110 \text{ minutes}}$

Ⓓ $\frac{-110 \text{ feet}}{10 \text{ minutes}}$

9. Gina is hiking from the top of a mountain. In 24 minutes, she walks down the mountainside to a location 1,524 feet from the top of the mountain. If she walks at about the same pace, express Gina's average change in altitude per minute.

10. Can you find the sign of the quotient $\frac{-152}{-8}$ before performing the division? Explain.

11. Higher Order Thinking If the fraction $\frac{294}{x}$ is equivalent to -14, find the value of x.

Assessment Practice

12. Aubrey's monthly bank statement shows a total of $51 in fees for ATM withdrawals. That month, Aubrey made 17 ATM withdrawals.

PART A

Write an expression to represent how each ATM withdrawal fee affected Aubrey's bank balance.

PART B

Simplify the expression you wrote in Part A.

13. Nate decides the quotient $-\left(\frac{84}{-7}\right)$ is negative.

PART A

What is the quotient? Is Nate correct about the quotient? Explain.

PART B

Explain what could have caused Nate's error.