

- Regular: p. 32-33 #1-7, 17-31 odd, 36
- Modified: p. 32-33 #5-7, 17, 19, 23, 27, 29, 36
- Advanced: p. 32-33 #1-7, 17-31 odd, 36, 38

1. **WRITING** What can you tell about two integers when their quotient is positive? negative? zero?

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2. **VOCABULARY** A quotient is undefined. What does this mean?

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3. **OPEN-ENDED** Write two integers whose quotient is negative. \_\_\_\_\_

4. **WHICH ONE DOESN'T BELONG?** Which expression does *not* belong with the other three? Explain your reasoning.

$$\frac{10}{-5}$$

$$\frac{-10}{5}$$

$$\frac{-10}{-5}$$

$$-\left(\frac{10}{5}\right)$$

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Tell whether the quotient is *positive* or *negative* without dividing.

5.  $-12 \div 4$

6.  $\frac{-6}{-2}$

7.  $15 \div (-3)$

Divide, if possible.

17.  $-49 \div (-7)$

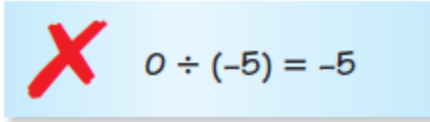
19.  $60 \div (-6)$

21.  $\frac{18}{0}$

23.  $\frac{-84}{-7}$

**ERROR ANALYSIS** Describe and correct the error in finding the quotient.

25.



$$0 \div (-5) = -5$$

27. **READING** You read 105 pages of a novel over 7 days. What is the mean number of pages you read each day?

Show your work.

Sentence: \_\_\_\_\_

**ALGEBRA** Evaluate the expression when  $x = 10$ ,  $y = -2$ , and  $z = -5$ .

29.  $\frac{10y^2}{z}$

31.  $\frac{-x^2 + 6z}{y}$

36. **PATTERN** Find the next two numbers in the pattern  $-128, 64, -32, 16, \dots$   
Explain your reasoning.

**Advanced:**

38. **GOLF** The table shows a golfer's score for each round of a tournament.
- What was the golfer's total score?
  - What was the golfer's mean score per round?

Scorecard	
Round 1	-2
Round 2	-6
Round 3	-7
Round 4	-3