

2.6

Why Is a Shooting Star Better Than a Hamburger?

For each set of exercises, there is only one correct answer. Write the letter of this answer in the corresponding box at the right.

★	5	3	8	1	10	6	9	2	4	7	★
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1 Find the quotient.

a. $-40 \div 5$ (J) -2
 b. $30 \div (-15)$ (S) -25
 c. $-88 \div (-11)$ (B) -8
 d. $-100 \div (-4)$ (Y) 25
 (P) 8

6 Simplify.

a. $\frac{-49}{7} + \frac{-64}{8}$ (E) 10
 c. $\frac{-26}{-13} + \frac{-60}{5}$ (G) -9
 b. $\frac{150}{-15} + \frac{-13}{-13}$ (W) 99
 d. $\frac{-99}{-1} + \frac{0}{-99}$ (N) -15
 (B) -10

2 Find the quotient.

a. $\frac{-54}{9}$ (U) -3
 c. $\frac{75}{-25}$ (C) -6
 b. $\frac{-36}{-12}$ (M) 0
 d. $\frac{0}{-10}$ (L) 3
 (E) 6

7 Evaluate if $x = -2$, $y = -6$.

a. $\frac{xy}{-3}$ (D) 24
 c. $\frac{-9x}{y}$ (L) -3
 b. $\frac{8y}{x}$ (N) -4
 d. $\frac{144}{-xy}$ (R) 15
 (T) -12

3 Find the quotient.

a. $-48 \div (-3)$ (D) -2
 b. $-36 \div 18$ (H) 2
 c. $180 \div (-10)$ (T) 18
 d. $900 \div 450$ (A) -18
 (F) 16

8 Evaluate if $k = 3$, $n = -8$.

a. $\frac{kn}{2}$ (S) 1
 c. $\frac{96}{-kn}$ (A) -6
 b. $\frac{k+n}{-5}$ (E) 4
 d. $\frac{9n}{4k}$ (I) 6
 (U) -12

4 Simplify.

a. $\frac{150}{-2}$ (K) 6
 c. $\frac{-24+9}{-8+3}$ (E) -75
 b. $\frac{-7500}{-75}$ (N) 3
 d. $\frac{-24}{-8} + \frac{9}{3}$ (O) -6
 (K) 100

9 Solve mentally.

a. $\frac{x}{7} = -6$ (D) -10
 c. $\frac{360}{q} = -36$ (P) -42
 b. $\frac{b}{-3} = -14$ (T) 16
 d. $\frac{-64}{m} = 4$ (S) -16
 (N) 42

5 Simplify.

a. $\frac{-13+1}{3}$ (A) 3
 c. $\frac{-20-25}{-15}$ (I) -3
 b. $\frac{(-15)(-4)}{-6}$ (S) 4
 d. $\frac{100-(-20)}{30}$ (U) -10
 (O) -4

10 Solve mentally.

a. $8y = -56$ (B) 21
 b. $-3p = -63$ (K) 40
 c. $80 \div u = 2$ (N) -40
 d. $80 \div (-v) = 2$ (G) -7
 (M) -21