

2.6

# Why Is a Shooting Star Better Than a Hamburger?

Key

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

5	3	8	1	10	6	9	2	4	7
I	T	J	S	M	E	T	E	O	R

**1 Find the quotient.**

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

**6 Simplify.**

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

**2 Find the quotient.**

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

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

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

**3 Find the quotient.**

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

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

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

**4 Simplify.**

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

**9 Solve mentally.**

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

**5 Simplify.**

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

**10 Solve mentally.**

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