

1-6

Standardized Test Prep

Multiplying and Dividing Real Numbers

Multiple Choice

For Exercises 1-5, choose the correct letter.

1. Which expression has a negative value?

A. $(-2)^2$

B. $(-5)(-7)$

C. $(-3)^3$

D. $0 \times (-5)$

2. If
- $x = -\frac{3}{4}$
- and
- $y = \frac{1}{6}$
- , what is the value of
- $-2xy$
- ?

F. $-\frac{1}{4}$

G. $-\frac{1}{6}$

H. $\frac{1}{6}$

I. $\frac{1}{4}$

3. Which expression has the same value as
- $-\frac{1}{7} \div \left(-\frac{2}{3}\right)$
- ?

A. $\frac{1}{7} \times \frac{3}{2}$

B. $-\left(\frac{1}{7} \times \frac{3}{2}\right)$

C. $\frac{7}{1} \times \frac{2}{3}$

D. $-\left(\frac{7}{1} \times \frac{2}{3}\right)$

4. ABC stock sold for \$64.50. Four days later, the same stock sold for \$47.10. What is the average change per day?

F. $-\$4.35$

G. $-\$3.48$

H. $\$3.48$

I. $\$4.35$

5. The formula
- $C = \frac{5}{9}(F - 32)$
- converts a temperature reading from the Fahrenheit scale
- F
- to the Celsius scale
- C
- . What is the temperature
- 5°F
- measured in Celsius?

A. $\left(-20\frac{5}{9}\right)^\circ\text{C}$

B. -15°C

C. 15°C

D. $\left(20\frac{5}{9}\right)^\circ\text{C}$

Short Response

6. A clock loses 2 minutes every 6 hours. At 3:00 P.M., the clock is set to the correct time and allowed to run without interference.
- What integer would describe the time loss after exactly 3 days?
 - What would the clock read at 3:00 P.M. three days later?