

Name: _____ Period: _____ Date: _____

Multiplying and Dividing Real Numbers Bell Work

Find the product.

1. $(-3)(8)$

2. $(-3)(-7)\left(-\frac{4}{3}\right)$

3. $(12)(-3)(5)\left(-\frac{2}{15}\right)$

Find the quotient.

4. $(-39) \div (13)$

5. $\frac{-12.6}{-1.8}$

6. $(18) \div \left(-\frac{3}{7}\right)$

Simplify each expression.

7. $-7(3d + d)$

8. $\frac{42x - 18y}{3}$

9. $(8)\left(\frac{x}{32}\right)$

Evaluate each expression.

10. $5x^2 - 2x$ when $x = -3$

Multiplying and Dividing Real Numbers Bell Work**ANSWER**

Find the product.

1. $(-3)(8) = -24$

2.
$$\begin{aligned} &(-3)(-7)\left(-\frac{4}{3}\right) \\ &= (-1)(-7)\left(-\frac{4}{1}\right) \\ &= 7(-4) = -28 \end{aligned}$$

3.
$$\begin{aligned} &(12)(-3)(5)\left(-\frac{2}{15}\right) \\ &= (12)(-15)\left(-\frac{2}{15}\right) \\ &= (12)(-1)\left(-\frac{2}{1}\right) \\ &= (-12)(-2) = 24 \end{aligned}$$

Find the quotient.

4.
$$\begin{aligned} &(-39) \div (13) \\ &= \frac{-39}{13} = -3 \end{aligned}$$

5.
$$\frac{-12.6}{-1.8} = 7$$

6.
$$\begin{aligned} &(18) \div \left(-\frac{3}{7}\right) \\ &= 18 \cdot \left(-\frac{7}{3}\right) = 6(-7) \\ &= -42 \end{aligned}$$

Simplify each expression.

7.
$$\begin{aligned} &-7(3d + d) \\ &= -7(4d) \\ &= -28d \end{aligned}$$

8.
$$\begin{aligned} &\frac{42x - 18y}{3} \\ &= \frac{42x}{3} - \frac{18y}{3} \\ &= 14x - 6y \end{aligned}$$

9.
$$(8)\left(\frac{x}{32}\right) = \frac{x}{4}$$

Evaluate each expression.

10. $5x^2 - 2x$ when $x = -3$

$$\begin{aligned} &= 5(-3)^2 - 2(-3) = 5(9) - (-6) = 45 + 6 \\ &= 51 \end{aligned}$$