

# Multiplying and Dividing Integers Exit Quiz

## Multiple Choice

1. The value of  $-22 * (-10) \div 4$  is:

a.) 140

b.) 55

c.) -55

d.) 120

2. The value of  $15 \div (-3) * |-13|$  is:

a.) -65

b.) 65

c.) -12

d.) 10

3. Solve each expression below using the order of operations.

a.  $(-33) + [144 \div (-12)] * (-4) - 15 =$

4. Solve each expression below using the order of operations.

a.  $|-45| - [169 \div (-13)]^2 * 3 - 67 =$

5. Evaluate the expression for the given replacement values.

$$x \div y * z =$$

$$x = -120 \quad y = -40 \quad z = 24$$

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## ANSWERS

### Multiple Choice

1. The value of  $-22 * (-10) \div 4$  is:

a.) 140

b.) **55**

c.) -55

d.) 120

2. The value of  $15 \div (-3) * |-13|$  is:

a.) **-65**

b.) 65

c.) -12

d.) 10

3. Solve each expression below using the order of operations.

$$\begin{aligned}
 \text{a. } (-33) + [144 \div (-12)] * (-4) - 15 &= & (-33) + [144 \div (-12)] * (-4) - 15 &= \\
 &= & = (-33) + [-12] * (-4) - 15 &= \\
 &= & = (-33) + 48 - 15 &= \\
 &= & = 15 - 15 &= \\
 &= & = 15 + (-15) &= \\
 &= & = 0 &=
 \end{aligned}$$

4. Solve each expression below using the order of operations.

$$\begin{aligned}
 \text{a. } |-45| - [169 \div (-13)]^2 * 3 - 67 &= & |-45| - [169 \div (-13)]^2 * 3 - 67 &= \\
 &= & = 45 - [-13]^2 * 3 - 67 &= \\
 &= & = 45 - 169 * 3 - 67 &= \\
 &= & = 45 - 507 - 67 &= \\
 &= & = 45 + (-507) - 67 &= \\
 &= & = -462 - 67 &= \\
 &= & = -462 + (-67) &= \\
 &= & = -529 &=
 \end{aligned}$$

5. Evaluate the expression for the given replacement values.

$$\begin{aligned}
 x \div y * z &= \\
 x = -120 \quad y = -40 \quad z = 2 & \\
 x \div y * z &= \\
 = -120 \div (-40) * 24 &= \\
 = 3 * 24 &= \\
 = 72 &=
 \end{aligned}$$