

Name _____ Date _____



Skills Maintenance

Using Properties With Integers

Activity 1

Use the properties and rules you know to simplify the problems.

1. $3(m - 4) + 10 \div 2$

2. $15 \div -3 + 10(9 \div 3) \cdot 2x$

3. $4(4 + k) + k(k - 15)$

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**Unit Review****More Algebraic Rules and Properties****Activity 1**

Use PEMDAS to evaluate these expressions with integers.

1. $-4 \cdot 3 \div (6 + -2)$

2. $-25 \div -5 + -3$

3. $(20 + 10) \div 2 \cdot -3$

4. $4^2 + -6 - -3$

5. $6 \cdot (-8 \div -4)$

Activity 2

Use substitution to evaluate the expressions. Remember the PASS rules.

1. Let $f = -2$ $3f + 6 - 5$

2. Let $m = 9$ $3m - -4$

3. Let $v = -1$ $4v + 10 + -6v$

4. Let $z = 10$ $-2z + 5$

5. Let $y = 5$ $3y - (2 \cdot 10)$

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Activity 3

Use the distributive property to simplify these expressions.

1. $-2(v + 7)$ _____

2. $-3(b - 5)$ _____

3. $6(e + 6)$ _____

4. $2(-w + 10)$ _____

5. $5(g - 5)$ _____