

Name: _____ Period: _____

Week 27 Homework Packet – 7th Grade Math

Score
/4

Week Score
/12

Stamp

ASSIGNMENT DUE TUESDAY, FEBRUARY 28, 2017

Unit 3, Chapter 5 – Expressions

For each problem below, use the distributive property to simplify.

1) $4(x + 5)$

2) $-3(m + 2)$

3) $-5(q - 4)$

4) $2(x + y + 4)$

5) $3(2x - 3y)$

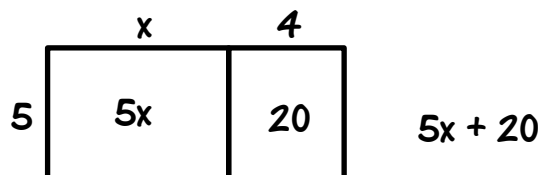
6) $6(2c - 4d)$

7) $4(4a - 3b + 7)$

8) $-(3r - 6s)$

For each problem below, use boxes to describe how the distributive property can be used to simplify an expression, then write the simplified expression. An example has been done for you.

Ex.) $5(x + 4)$



9) $3(m + 7)$

10) $4(k - 2)$

11) $2(x + y + 5)$

12) $3(a + b - 1)$

ASSIGNMENT DUE WED/THU. MARCH 1/2. 2017

Unit 3, Chapter 5 – Expressions

Simplify each expression below by combining like terms.

1) $2x + 4x + 5 + 7$

2) $3a + 7a + a + 9 + 10$

3) $b + 7 + 4b + 10$

4) $3m + 8n + 2m - 3n$

5) $4s + 10 + 6 - 2s + 7s$

6) $7x + x + 14 + 2x$

7) $9h - 3h + 10k - k + h$

8) $10q - 15 - 6q + 8 - 4q$

9) $3c + 7d + 2 + 5c + 10d$

Skills Review

Add or subtract the following fractions by finding the least common denominator. An example has been done for you. Show all work!

Ex.) $\frac{2}{5} + \frac{1}{4}$ LCD = 20

$$\frac{2}{5} + \frac{1}{4} = \frac{8}{20} + \frac{5}{20} = \left(\frac{13}{20}\right)$$

10) $\frac{4}{7} - \frac{1}{2}$

11) $\frac{2}{3} - \frac{1}{8}$

12) $\frac{3}{4} + \frac{1}{8}$

13) $\frac{5}{6} - \frac{3}{4}$

14) $\frac{1}{9} + \frac{2}{3}$

Name: _____ Period: _____

7th Grade Math

ASSIGNMENT DUE FRIDAY, MARCH 3, 2017

Unit 3, Chapter 5 – Expressions

Score

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Simplify each expression below by combining like terms. Show all steps.

1) $3a + 2(a + 7)$

2) $4(x + 7) - 3x$

3) $2(m - 5) + 4m$

4) $6(2x - 3) + 3x$

5) $4(3z + 1) - 7 + 2z$

6) $-2(m - 4) + 3m$

7) $5 - 2(x + 4)$

8) $10g - 3(2g - 6)$

Skills Review

For each problem below, determine which property of math is being shown.

9) $x \cdot 1 = x$

10) $3(a + b) = 3a + 3b$

11) $a + (b + c) + d = (a + b) + (c + d)$

12) $5x \cdot 7y \cdot 2 \cdot 0z \cdot 10 = 0$

13) $x + y + z = z + x + y$

14) $g(hk) = (gh)k$

15) $g + 3 + 0 = g + 3$

16) $2(x + 4) = (x + 4) \cdot 2$