

Name: _____

9/26/2017

7th Grade –Test 1

1) Evaluate the expression (show all your work!): $(2^3 - 6)^2 - 1$

2) Evaluate the expression: $(1 + 5) * 4 + 8 * 9$

3) What property is shown by: $a + b = b + a$?

4) What property is shown by: $a(b + c) = ab + ac$

5) Give an example of the identity property of multiplication.

6) Use the following numbers to set up an equation to demonstrate the associative property of multiplication: 4, 5, 7

7) Evaluate the following expressions for $b = 5$.

a) $2b + (10)$

b) $b - 2$

c) $b^2 - 15$

d) $7 * 2 - b$

8) Fill in the blank to make the equation work.

a) $2 + \underline{\hspace{2cm}} = 0$

b) $4 + \underline{\hspace{2cm}} = 4$

c) $6 * \underline{\hspace{2cm}} = 6$

d) $9 * \underline{\hspace{2cm}} = 0$

9) Evaluate the following expressions. Be sure to show all your steps.

a) $(18 + 9) * 4 - 3$

b) $5(10 * 7 - 8^2) - 2$

c) $(17 + 4) * (14 + 8) - 4^2$

d) $(11 + 65 - 5^2) \div (5 - 2)$

10) What is the order of operations? (Give the actual words, not just the abbreviation)

11) Translate the following expressions into WORDS!

a) $3 * (9 + x)$

b) $5 \div x - 7$

c) $x/2$

d) $6x + 1$

12) Translate the following words into EXPRESSIONS!

a) y minus the quotient of 4 and b.

b) 2 times the sum of x and 9

c) the product of x and 4

d) 3 less than y times 7

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10/18/2017

7th Grade –Test 2

1) Write the following in words.

a) $x + 5$

b) $8x$

c) $x/2$

d) $7 - x$

2) Evaluate the following expressions for the given values.

a) $6x + 7y - 2x$; use $x = 1$ and $y = -3$

b) $-x + 4(y - 3x)$; use $x = 20$ and $y = 10$

3) Match the following equations with the properties they represent.

_____ $a * b = b * a$

A) Identity Property of Addition

_____ $1 * x = x$

B) Distributive Property

_____ $(ab)x = a(bx)$

C) Commutative Property of Addition

_____ $a + b = b + a$

D) Commutative Property of Multiplication

_____ $x + 0 = x$

E) Identity Property of Multiplication

_____ $a(b + c) = ab + ac$

F) Associative Property of Multiplication

4) Translate the following into EQUATIONS:

a) The quotient of 12 and y is 15

b) The sum of 5 and x is 20

5) Solve the following equations. Show ALL your work!

a) $x - 5 = 2$

b) $x + 8 - 9 = 20$

c) $4x = 24$

d) $7x - 5x = -18$

6) a) What are the two things required to have like terms? The same _____ and _____.

b) The letter in an equation is always the _____.

7) Simplify the following expressions by combining like terms.

a) $2x + 5y + 7y - 9x$

b) $6x^2 + 8x - 9x^2$

c) $-2x + 13 + 8x$

d) $-5x - 20x$

8) Find the sum of the following expressions:

a) $21 + (-19)$

b) $-128 + (-101)$

c) $-19 + 11 + (-10)$

d) $43 + (-14) + 20$

9) Evaluate: $(1)(1)(-2)(-2)(-3)(-5)(-1)$

10) Find the absolute value and evaluate the following:

a) $ 20 $	b) $ -7 $
c) $6 - -4 $	d) $10 + -15 $

11) Multiply the following expressions.

a) $-7(-10)$	b) $(6)(-13)$
c) $2(16)$	d) $(-12)11$

12) Find the difference of the following expressions:

a) $-5 - 11$	b) $2 - (-12)$
c) $-16 - (-16)$	d) $5 - 5$

Name:

11/9/2017

7th Grade – Test 3

1) a) Which side should the variable always be on to properly graph an inequality?

b) When you multiply or divide by a _____, you have to _____ the inequality sign.

2) Write the following in **words**. Do NOT solve it.

a) $2x - 5 \geq -10$	b) $6 + \frac{x}{3} \geq -4$
c) $9x + 1 < -6$	d) $7 + x \leq 8$

3) Graph the following inequalities.

a) $x \leq 7$	b) $10 > x$	c) $-12 > x$	d) $x \leq 4$
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4) Solve the following inequalities for the given variable and graph your answers. Be sure to show all your work!

a) $x - 5 > 12$	b) $\frac{x}{3} < 1111$
c) $6x \leq 108$	d) $x + 9 \geq 6$

5) Solve the following inequalities for the given variable and graph all your answers. Be sure to show all your work!!

a) $-3x - 5 \leq 19$

b) $\frac{x}{3} < -12$

c) $\frac{x}{5} - 8 > 25$

d) $5x - 10 \geq 0$

6) Solve the following equations for the given variable. Be sure to show all your work!!

a) $3x + 8 = 12$

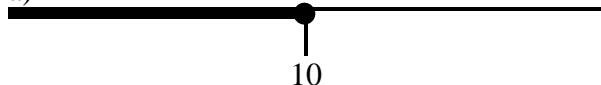
b) $\frac{x}{-2} - 15 = 10$

c) $\frac{x}{6} + 2 = -12$

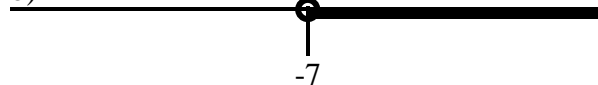
d) $5x - 10 = 0$

7) Write an inequality for the following graphs.

a)



b)



8) Write inequalities that represent the following scenarios.

a) You cannot be taller than 4ft to ride this kiddy ride.

b) My car can pull as much as 200lbs.

c) I cannot eat less than 2 chocolate chips in one sitting.

d) Your goal is to get a C on this test which requires an 80%.

7th Grade – Test 3

11/22/2016

1) For the steps of adding and subtracting fractions, fill in the following blanks.

1) Get everything in _____ form.

2) Find a _____ using the _____.
-Multiply the top and bottom by what is missing.

3) Add/subtract the _____ as normal.

4) _____ the fraction.

5) Multiply the following fractions.

a) $\frac{4}{15} * \frac{20}{18}$

b) $1\frac{1}{9} * 3\frac{3}{5}$

c) $\frac{4}{9} * \frac{12}{18}$

d) $3\frac{3}{7} * 4\frac{3}{8}$

6) Divide the following decimals. Show ALL your work!!

a) $(-35.14) \div (-0.7)$

b) $-64.6 \div 1.7$

c) $(20.15) \div (0.5)$

d) $78.68 \div -.14$

7) Multiply the following decimals. Show ALL your work!!

a) $(1.6)(-6.57)$	b) $(-2.1)(4.56)$
c) $(-.29)(-.13)$	d) $(.85)(1.4)$

8) Solve the following equations.

a) $\frac{x}{3.2} = -4.5$	b) $x - 9.42 = 11.8$
c) $x + 0.89 = 14.2$	d) $1.1x = .55$

9) Solve the following equations. Show ALL your work!

a) $x + 5 = 2$	b) $x - 8 = 20$
c) $5x = 20$	d) $\frac{x}{3} = 13$

10) Add/subtract the following decimals.

a) $2.59 + 10.123$	b) $0.046 - 6.564$
c) $-7.56 + 8.42$	d) $-3.78 - 6.49$

7th Grade Quiz

9/2/2016

1) Evaluate the expression: $(2 + 5)^2 - 4$

2) Simplify the following expression: $(2 + 4) * 5 + 6 * 8$

3) What is the order of operations? (Give the actual words, not just the abbreviation)

4) Simplify the following expression: $(6 + 5) * 8 \div 2$

5) Simplify the following expression: $54 \div 6 + 4 * 5$

6) Simplify the following expression: $(1 + 2)^2 * (3 - 1)^2 \div 2$

7th Grade Quiz

9/8/2016

1) The _____ property of addition is shown by:

$$2 + 0 = 2$$

2) The _____ property is shown by:

$$a(b + c) = ab + ac$$

3) Use the following numbers to set up an equation to show the commutative property of addition: 1 & 3

4) Evaluate the expression: $(3 + 2)^2 - 6 * 3$

5) Simplify the following expression: $(2 + 8) \div 5 + 7 * 9$

6) Simplify the following expression: $(6 + 5) * 8 \div 2$

7th Grade Quiz

9/16/2016

1) Simplify the following expression: $(11 + 64 - 5^2) \div (5 - 2)$

2) a) Give an example of the identity property of multiplication.

b) Fill in the blank: $4 + \underline{\hspace{1cm}} = 0$

c) The property is shown by:

$$a(b + c) = ab + ac$$

3) Translate the following expressions into WORDS!

a) $4x + 3$

b) $2/x$

4) Translate the following words into EXPRESSIONS!

a) m plus the product of 4 and b.

*b) 2 times the sum of x and 9

5) Use the following numbers to set up an equation to demonstrate the associative property of multiplication: 4, 5, 7

6) Evaluate the following expressions for $b = 5$.

a) $b^2 + 30$

b) $7 - b * 2$

7th Grade Quiz

9/30/2016

1) Simplify the following expressions:

a) $4x + 5x$

b) $7x + 5x^2 - 3x$

2) a) Give an example of the commutative property of addition.

b) Fill in the blank: $4 + \underline{\hspace{1cm}} = 4$

c) The property is shown by:

$$a(b + c) = ab + ac$$

3) Translate the following expressions into WORDS!

a) $\frac{4}{x} - 3$

b) $2(x + 9)$

4) Find the absolute value of the each of the following:

a) $|-16|$

b) $|12|$

c) $|0|$

d) $4 + |-4|$

5) Put the following numbers in order on a number line: 1, -2, 0, 8, 9, -3

6) Find the sum of the following:

a) $14 + (-7)$

b) $-8 + (-5)$

c) $19 + 5$

d) $-14 + 7$

1) Simplify the following expressions:

a) $4x + 5x$

b) $5x + 4y + 7y - 3x$

2) a) Give an example of the commutative property of addition.

b) Fill in the blank: $4 + \underline{\hspace{1cm}} = 4$

c) The property is shown by:

$$a(b + c) = ab + ac$$

3) Multiply the following expressions.

a) $5(-11)$

b) $(-2)(-12)$

c) $16(-16)$

d) $(5)5$

4) Find the absolute value of the each of the following:

a) $|-16|$

b) $|12|$

c) $|0|$

d) $4 + |-4|$

5) Find the difference of the following expressions:

a) $5 - 11$

b) $-2 - (-12)$

c) $16 - (-16)$

d) $-5 - 5$

6) Find the sum of the following expressions:

a) $-21 + (-19)$

b) $-128 + 101$

c) $-19 + 11 + (-10)$

d) $43 + (-14) + 20$

1) Simplify the following expressions:

a) $5x - 8y + 3x - 7y$

| b) $9x + 6y - 7y + 3x$

2) Solve the following equations for the given variable. Be sure to show all your work!

a) $\frac{x}{-8} = 11$

| b) $x + 9 = 2$

3) Multiply the following expressions.

a) $7(-10)$

b) $(-6)(-13)$

c) $-2(16)$

d) $(12)11$

4) Solve the following equations for the given variable. Be sure to show all your work!

a) $x - 4 = 10$

| b) $-7x = -21$

5) Find the difference of the following expressions:

a) $-5 - 11$

b) $2 - (-12)$

c) $16 - 16$

d) $-75 - (-5)$

6) Find the sum of the following expressions:

a) $21 + (-19)$

b) $134 + 205$

c) $19 - 11 + (-10)$

d) $-43 + (-14) + 20$

7th Grade Quiz

10/28/2016

4) Solve the following equations. Show ALL your work!

a) $x - 5 = 2$

b) $x + 8 = 20$

5) Find the difference of the following expressions:

a) $-8 - (-11)$

b) $20 - 18$

c) $-16 - 16$

d) $75 - 90$

7th Grade Quiz

11/4/2016

2) Add/subtract the following decimal numbers. Show all your work!

a) $4.15 - 9.054$

b) $-7.23 + 6.8$

3) Multiply the following decimal numbers. Show all your work!

a) $-9.6 * 2.05$

b) $0.07 * 0.03$

4) Solve the following equations. Show ALL your work!

a) $5x = 20$

b) $\frac{x}{3} = 13$

5) Fill in the blanks for the rules of adding, subtracting, and multiplying decimals.

a) Adding/subtracting: you need to _____ the decimal points.

b) Multiplying: You need to _____ the number of _____ behind the decimals. This is the number of digits behind the decimal point in your _____.

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7th Grade – Quiz 9

1) Write the following in words. Do NOT solve it.

a) $x + 5 \geq 10$

b) $9x - 1 < 6$

2) Graph the following inequalities.

a) $x > -7$

b) $x \leq 8$

c) $9 < x$

3) Solve the following inequalities for the given variable and graph your answers. Be sure to show all your work!

a) $x - 5 > 12$

b) $6x \leq -108$

4) Solve the following inequalities for the given variable and graph your answers. Be sure to show all your work!

a) $\frac{x}{-3} < 1111$

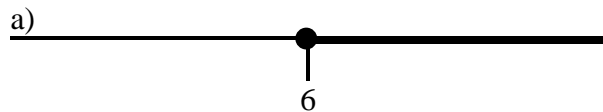
b) $x + 9 \geq 6$

5) a) Which side should the variable always be on to properly graph an inequality?

b) When you multiply or divide by a _____, you have to _____ the inequality sign.

6) Write an inequality for the following graphs.

a)



b)

