

8TH GRADERS KNOW EVERYTHING

KEEP IT SIMPLE

→ QUESTION

$$4 + 3 \times 4 =$$

→ ANSWER

16

→ QUESTION

$$8(5 + 30 \div 6) =$$

→ ANSWER

80

→ QUESTION

$$3 + 4 \times 2 - 4 \div 4 =$$

→ ANSWER

10

→ QUESTION

$$-3 \times 3 + 2 - (-3) =$$

→ ANSWER

-4

→ QUESTION

$$121 \div [4(6 - 2) - 5] =$$

→ ANSWER

11

PROPERTIES

→ QUESTION

$4 + (9 + 6) = (4 + 9) + 6$ Name the property shown

→ ANSWER

Associative Property of Addition (APA)

→ QUESTION

$6 * (8 + c) = (8 + c) * 6$ Name the property shown

→ ANSWER

Commutative Property of Multiplication (CPM)

→ QUESTION

$6 * (4 * 3) = (6 * 4) * 3$ Name the property shown

→ ANSWER

Associative Property of Multiplication

→ QUESTION

$(3 + y) + 0 = 3 + y$ Name the property shown

→ ANSWER

Identity Property of Addition

→ QUESTION

$14xy = 14yx$ Name the property shown

→ ANSWER

Commutative Property of Multiplication

SLOPE

→ QUESTION

What is the slope of the following linear equation? $y = 4x + 2$

→ ANSWER

4

→ QUESTION

What is the slope of the following linear equation? $y - 7x = -8$

→ ANSWER

7

→ QUESTION

What is the slope of the following linear equation? $-3y - 6x = 9$

→ ANSWER

-2

→ QUESTION

Find the slope of the line passing through each pair of points. $(1,2), (4,4)$

→ ANSWER

$\frac{2}{3}$

→ QUESTION

Find the slope of the line passing through each pair of points. $(-3,-2), (-3,-4)$

→ ANSWER

Undefined

YMXB

→ QUESTION

What is the y-intercept of the following linear equation?
Give answer as an ordered pair. $y = x + 5$

→ ANSWER

(0,5)

→ QUESTION

What is the y-intercept of the following linear equation?
Give answer as an ordered pair. $y + 11 = 4x$

→ ANSWER

(0,-11)

→ QUESTION

What is the y-intercept of the following linear equation?
Give answer as an ordered pair. $y = 1/2x$

→ ANSWER

(0,0)

→ QUESTION

What is the y-intercept of the following linear equation?
Give answer as an ordered pair. $-6 = y - 8x$

→ ANSWER

(0,-6)

→ QUESTION

What is the y-intercept of the following linear equation?
Give answer as an ordered pair. $2x - 3y = 9$

→ ANSWER

(0,-3)

DISTRIBUTING

→ QUESTION

Simplify the expression. $2(f - 4)$

→ ANSWER

$2f - 8$

→ QUESTION

Simplify the expression. $-3(2c - 8)$

→ ANSWER

$-6c + 24$

→ QUESTION

Simplify the expression. $3 + 3(2 - 2x)$

→ ANSWER

$9 - 6x$

→ QUESTION

Simplify the expression. $3x(3 + y)$

→ ANSWER

$9x + 3xy$

→ QUESTION

Simplify the expression. $2(4y + 2x) + -3y$

→ ANSWER

$5y + 4x$