

Algebra 1

Quarter 1 Catch-Up Review
2022

Evaluating Expressions

Solving Multi-Step Equations

Solving Inequalities

Evaluating Expressions

Evaluate $x^2 - y$ when $x = -3$ and $y = -4$

Evaluating Expressions

Evaluate $-x^3 + 3y^2$ when $x = -2$ and $y = -1$

Evaluating Expressions

Evaluate $-\sqrt{y} + 4xz$ when $x = -6$, $y = 64$, $z = 2$

Evaluating Expressions

Evaluate $\frac{-3x + y}{6z}$ when $x = 6$, $y = -12$, $z = -1$

Solving Multi-Step Equations

Solve $\frac{1}{2}x = 11$

Solving Multi-Step Equations

Solve $2x + 14 = 22$

Solving Multi-Step Equations

Solve $-\frac{3}{5}x + 7 = 10$

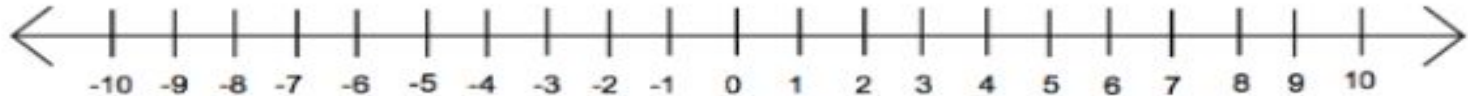
Solving Multi-Step Equations

Solve $6x + 13 = 3x + 52$

Solving Inequalities

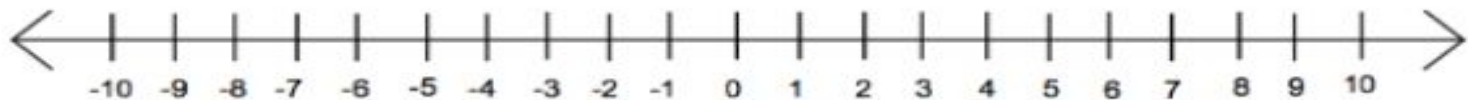
Solve and graph

$$6y + 2(2y + 3) > 16$$



Solving Inequalities

Solve and graph $\frac{x+4}{3} - 8 \leq -2$



PRACTICE

What is the value of $x(5 + y)$ if $x = 4$ and $y = 2$?

F 18

G 22

H 28

I 36

PRACTICE

What is the value of $a(b - c)$ if $a = 2$, $b = -3$ and $c = -2$?

F \rightarrow 2

G \rightarrow -2

H \rightarrow -4

I \rightarrow -10

PRACTICE

What is the value of the expression $3(x + 4) - 2y$, if $x = 5$ and $y = -3$?

F -7

G 11

H 21

J 33

PRACTICE

What is the solution of the equation $\frac{1}{2}(6x - 12) + 8 = 5x - 14$?

F $x = -8$

G $x = -3$

H $x = 5$

I $x = 8$

PRACTICE

What is the solution to the inequality below?

$$2x - 7 \geq 15$$

F $x \leq 8$

G $x \geq 8$

H $x \leq 11$

J $x \geq 11$

PRACTICE

What values of x make the following inequality true?

$$-3(x + 1) \leq 15$$

F $x \geq 6$

G $x \leq 6$

H $x \geq -6$

J $x \leq -6$

Thanks for practicing!



Make
Today
Amazing.

The text is written in a playful, handwritten style. 'Make' is in green, 'Today' is in blue, and 'Amazing.' is in purple. The words are arranged in three lines. There are two yellow stars with radiating lines, one on the left of 'Make' and one on the right of 'Today'. There are three pink hearts: one above 'Make', one to the left of 'Today', and one to the right of 'Amazing.'.