

$$+3 + (-4)$$

$$-6 + (-1)$$

$$-3 + (+5)$$

$$-4 + 4$$

$$-7 + 0$$

Answers on next slide.

$$+3 + (-4) \quad -1$$

$$-6 + (-1) \quad -7$$

$$-3 + (+5) \quad 2$$

$$-4 + 4 \quad 0$$

$$-7 + 0 \quad -7$$

$$-1 + (-2) + (-3) + (+4)$$

$$(-5) + (-6) + (+2)$$

$$(-2) + (5)$$

$$|-6 + (+9)|$$

$$|-6| + |+9|$$

$$-1 + (-2) + (-3) + (+4) \quad -2$$

$$(-5) + (-6) + (+2) \quad -9$$

$$(-2) + (5) \quad 3$$

$$|-6 + (+9)| \quad 3$$

$$|-6| + |+9| \quad 15$$

$$-(-3)$$

$$-|-3|$$

$$-(-(-3))$$

$$-(-(-(-3)))$$

$$4 + 7^{\circ} + (-8)$$

$$-(-3) \quad 3$$

$$-|-3| \quad -3$$

$$-(-(-3)) \quad -3$$

$$-(-(-(-3))) \quad 3$$

$$4 + 7^0 + (-8) \quad -3$$

What is the opposite of 3?

What is the opposite of: 4 plus the absolute value of 4?

$$-|-2| + |-2|$$

$$-|+6| + 2^3$$

$$-1 + 8^0$$

What is the opposite of 3? -3

What is the opposite of: 4 plus the absolute value
of 4? -8

$$-|-2| + |-2| \quad 0$$

$$-|+6| + 2^3 \quad 2$$

$$-1 + 8^0 \quad 0$$

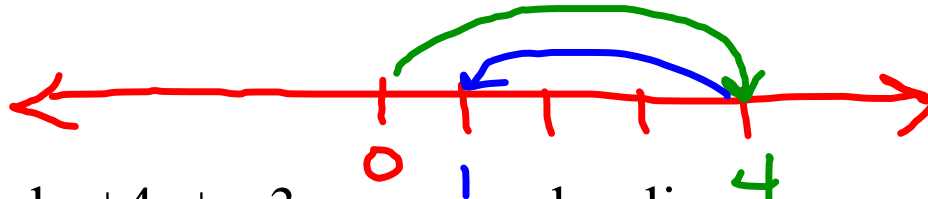
Graph $+4 + -3$ on a number line.

Where are integers used in the real world?

Give a definition for what an integer is.

Evaluate $-x + 4$ if $x=3$.

Evaluate $-x + 4$ if $x= -5$



Graph $+4 + -3$ on a number line.

Where are integers used in the real world?

look in your notes

Give a definition for what an integer is.

look in your notes

Evaluate $-x + 4$ if $x=3$.

1

Evaluate $-x + 4$ if $x= -5$

9

Complete each table

x	$x-3$
4	
0	
	-1

x	$x+2$
-4	
	-5
-2	

Complete each table

x	$x-3$
4	1
0	-3
2	-1

x	$x+2$
-4	-2
-7	-5
-2	0

Write using an exponent

10,000

.001

.01

.1

3(3)(3)(3)

(-8)(-8)

-10(-10)(-10)

1

$\frac{1}{10}$

$\frac{1}{10,000}$

$\frac{1}{49}$

$\frac{1}{8}$

Write using an exponent

$$10,000 \quad 10^4 \quad .001 \quad 10^{-3} \quad .01 \quad 10^{-2} \quad .1 \quad 10^{-1}$$

$$3(3)(3)(3) \quad 3^4 \quad (-8)(-8) \quad (-8)^2 \quad -10(-10)(-10) \quad (-10)^3 \quad 1 \quad 10^0$$

$$\frac{1}{10} \quad 10^{-1} \quad \frac{1}{10,000} \quad 10^{-4} \quad \frac{1}{49} \quad 7^{-2} \quad \frac{1}{8} \quad 2^{-3}$$

Simplify. Write as a power of ten. Then write the number.

$$10^9(10^{-6})$$

$$10^8(10^{-4})$$

$$10^3(10^{-3})$$

$$\frac{10^2}{10^{-1}}$$

$$\frac{10^6(10^5)}{10^3}$$

$$\frac{10^2(10^4)}{10^{-4}(10^5)}$$

$$10^4(10)$$

$$10^4(10^{-2})$$

$$10^4(10^2)$$

Simplify. Write as a power of ten. Then write the number.

$$10^9(10^{-6})^{10^3}$$

$$10^8(10^{-4})^{10^4}$$

$$10^0(10^{-3})^{10^0}$$

$$\frac{10^2}{10^{-1}}^{10^3}$$

$$\frac{10^6(10^5)}{10^3}^{10^8}$$

$$\frac{10^2(10^4)}{10^{-4}(10^5)}^{10^5}$$

$$10^4(10^{10^5})$$

$$10^4(10^{-2})^{10^2}$$

$$10^4(10^6)^{10^2}$$

True or False?

$$\frac{1}{2^5} = 2^{-5}$$

$$3^{-7} = -3^7$$

$$.01 = 10^{-2}$$

$$\frac{1}{6(6)(6)} = 6^3$$

$$5^{-3} = \frac{1}{5(3)}$$

$$\frac{1}{12} = 12^{-1}$$

$$6^{-2} = 2^{-6}$$

$$\frac{1}{8(2)} = 2^{-4}$$

$$8^0 = 0$$

True or False?

$$\frac{1}{2^5} = 2^{-5} \quad \text{True}$$

$$3^{-7} = -3^7 \quad \text{False}$$

$$.01 = 10^{-2} \quad \text{True}$$

$$\frac{1}{6(6)(6)} = 6^3 \quad \text{False}$$

$$5^{-3} = \frac{1}{5(3)} \quad \text{False}$$

$$\frac{1}{12} = 12^{-1} \quad \text{True}$$

$$6^{-2} = 2^{-6} \quad \text{False}$$

$$\frac{1}{8(2)} = 2^{-4} \quad \text{True}$$

$$8^{-0} = 0 \quad \text{False}$$

Simplify.

$$9[+3 + (-2)]$$

$$5[-2 + (-4)]$$

$$(-1 - 3)(-3 + 2)$$

$$(-1)^7$$

$$[-2 - 2] - 6$$

Fill in the chart.

x	9-x
2	
-3	
	1
	14

Simplify.

$$9[+3 + (-2)] \quad 9$$

$$5[-2 + (-4)] \quad -30$$

$$(-1 - 3)(-3 + 2) \quad 4$$

$$(-1)^7 \quad -1$$

$$[-2 - 2] - 6 \quad -10$$

Fill in the chart.

x	9-x
2	7
-3	12
8	1
-5	14

Write in scientific notation:

2,300,000,000

six million

.000004

.000023

the product of five thousand and three hundred

Write in scientific notation:

2,300,000,000 2.3×10^9

six million 6×10^6

.000004 4×10^{-6}

.000023 2.3×10^{-5}

the product of five thousand and three hundred

1.5×10^6

Name 5 problem solving strategies.

How would a deposit of \$500 be shown on my bank statement?

How would a withdrawal of \$500 be shown?

Name 5 problem solving strategies.

look in your notes

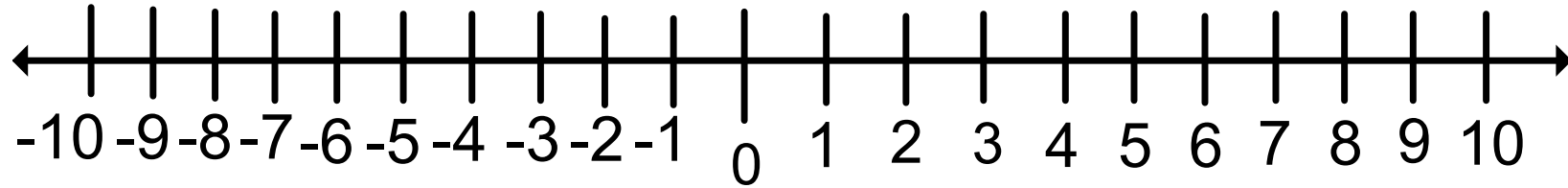
How would a deposit of \$500 be shown on my bank statement?

+ 500

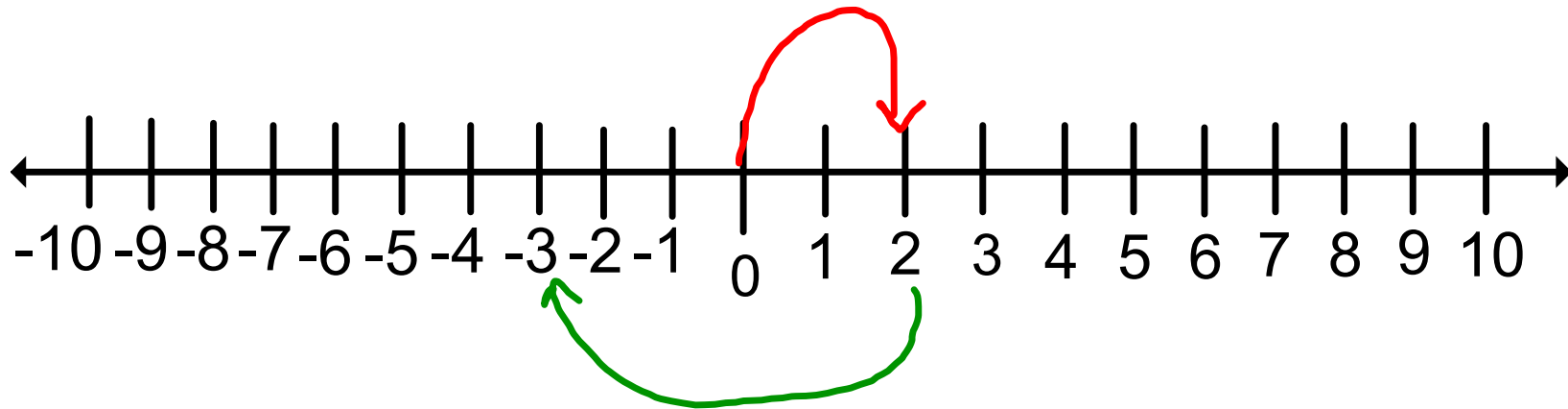
How would a withdrawal of \$500 be shown?

- 500

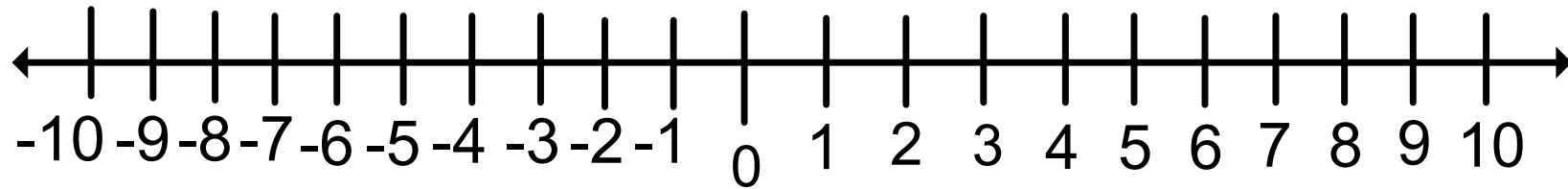
Graph $2 + (-5)$



Graph $2 + (-5)$

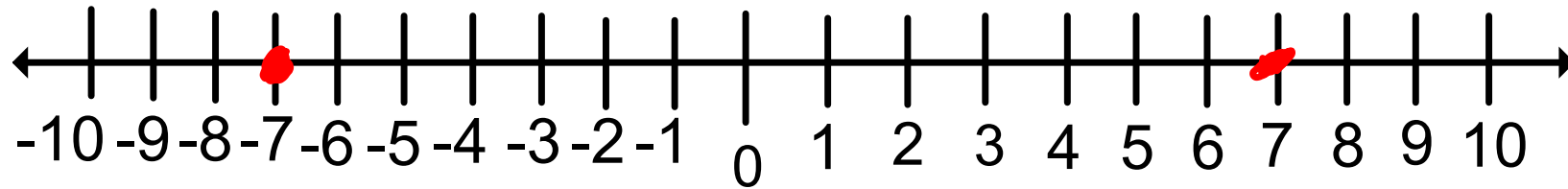


Graph $|x| = 7$



How would I change the above problem so there is no solution?

Graph $|x| = 7$



How would I change the above problem so there is no solution?

$$|x| = -2$$