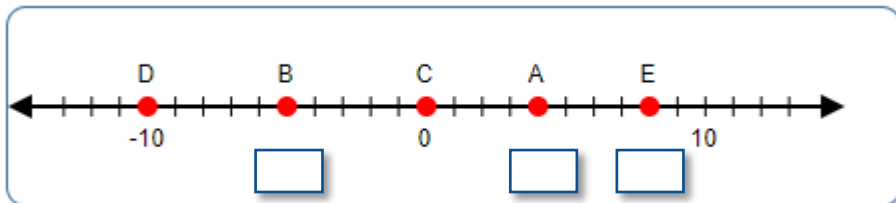


Absolute Value and Adding Integers

Warmup

1.



2.

The following is The Coop Coach's check book register. After writing check number 2156 for photo shoot on 10/7/2024, what is the current balance in their account?

Check Num	Date	Description of transaction	Debits (-)	Credits (+)	Balance
2154	10/4/2024	website maintenance	124.51		16417.74
2155	10/5/2024	starter and grower feed	32.98		16384.76
2156	10/7/2024	photo shoot	725.64		

3.

Identify each Property.

4.

$$\frac{6}{25} + \frac{2}{25} = \underline{\hspace{2cm}}$$

Absolute Value and Adding Integers

- I. Integers
- II. Absolute Value
- III. Adding Integers

Homeschool



Honor Roll

Learn ~ Persevere ~ Succeed

Pre-Algebra and Geometry I

Wendy Harper

www.HsHonorRoll.com

I. Integers

Integers are used in real-life situations.

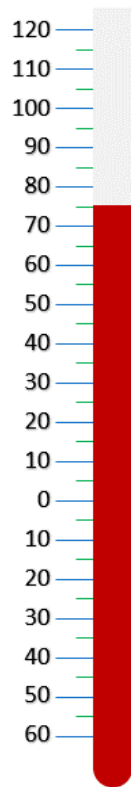
Integer: positive numbers, zero, and negative numbers with no fractional part.

Scores

5 points off _____

10 points extra credit _____

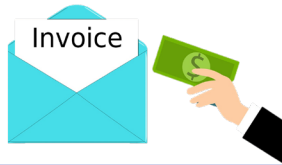
Thermometer



Money

A deposit of \$40 _____

A withdrawal of \$15 _____



Negative

Positive

II. Absolute Value

When measuring how long an object is, the value will always be a positive number.

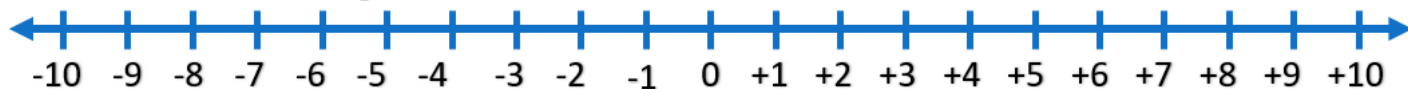
Measure each animal.

9 Dinosaur

10 Praying Mantis

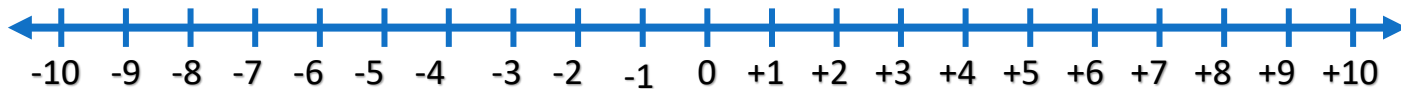
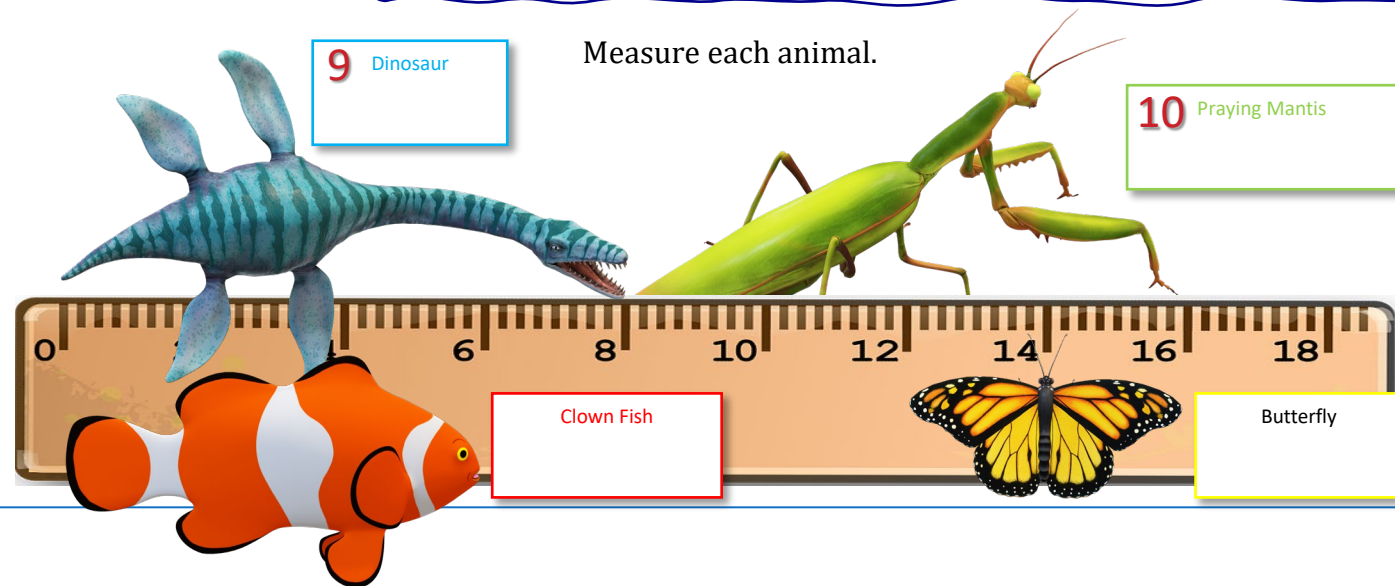
Clown Fish

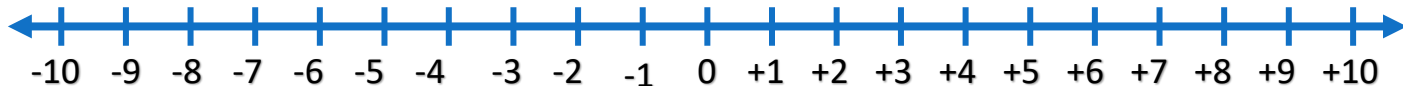
Butterfly



II. Absolute Value

When measuring how long an object is, the value will always be a positive number.





How far is +4 from zero? _____

How far is -4 from zero? _____

How far is -6 from zero? _____

How far is +3 from zero? _____

Absolute Value: Absolute Value is how far a number is from zero on a number line.

The absolute value of x is written as: $|x|$

It means how far is x from zero.

$$|-3| = 3 \quad | +3 | = 3$$

$$|-6| =$$

$$|+25| =$$

$$|0| =$$

11 $|-10| =$ _____ $|5| =$ _____ $|-4| =$ _____

III. Adding Integers

$$-5 + 5 =$$

$$+10 + -10 =$$

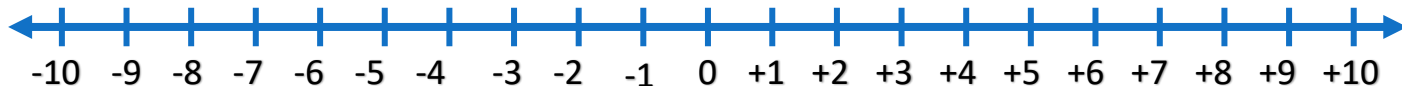
Additive Inverses: Two numbers that are opposites are also called additive inverses.

(We saw then when we discussed Addition and Subtraction are inverse operations.)

The sum of additive inverses is _____

$$+7 + -7 = \underline{\hspace{2cm}}$$

$$-2 + +2 = \underline{\hspace{2cm}}$$



Sam owes John four dollars. What is the result after he borrows two more dollars?

Jane earned \$20 for babysitting on Friday. How much does she have after she earns \$35 for babysitting on Saturday?

To add integers with the same signs:

Add the numbers

Keep the sign

$$-4 + -8 =$$

$$+5 + +1 =$$

$$-10 + -7 =$$

$$+3 + 2 =$$

13.

$$-8 + -3 =$$

$$+4 + +9 =$$

$$-3 + -12 =$$

$$+8 + 12 =$$

14.

Nathaniel's mowing customer paid him \$15. The next day he bought a starting gear for \$7. How much does Nathaniel have?

Anna's Algebra textbook cost \$50. She gave the cashier \$40. What is the result of this transaction?

To add integers with different signs:

Find the difference

Sign of the larger number

$$-5 + +1 =$$

$$+3 + -2 =$$

15.

$$+8 + -2 =$$

$$+7 + -9 =$$

$$-6 + +10 =$$

$$-3 + 6 =$$

16

17

