

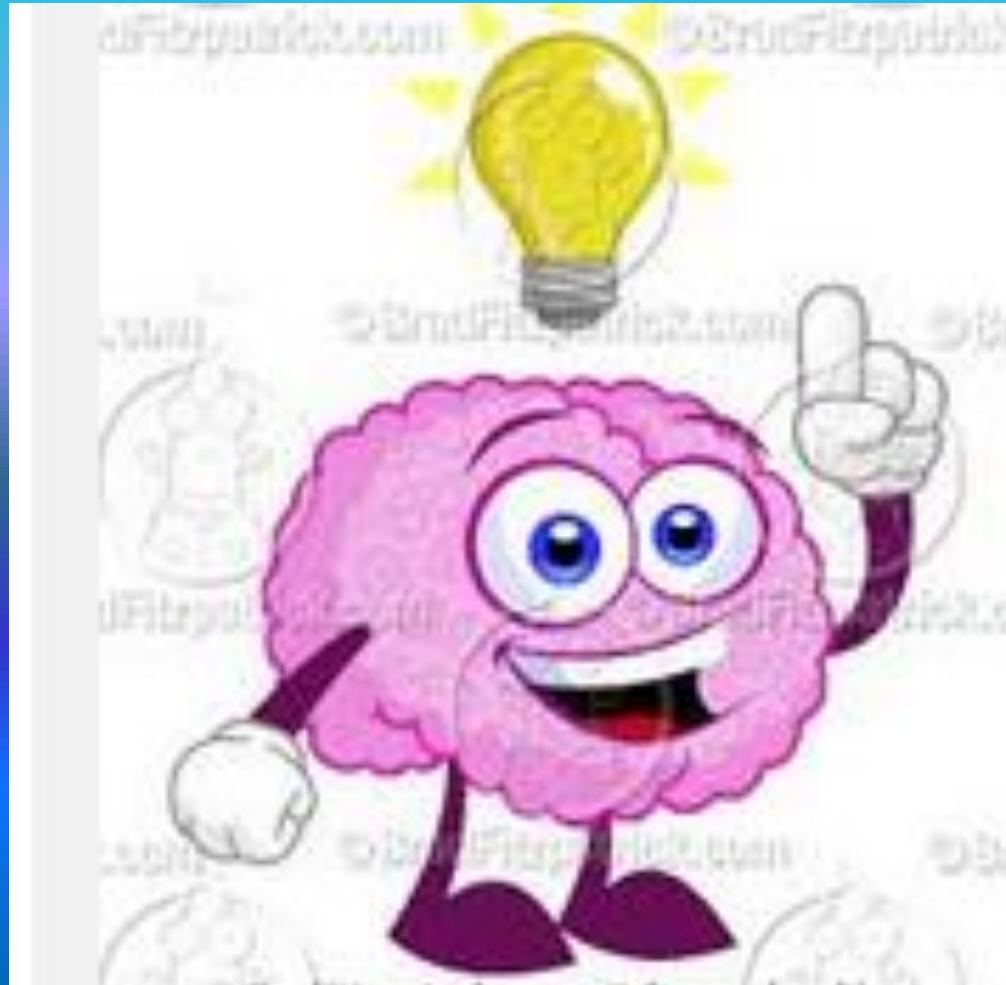
# Dear Super Sixth Grade,

Good morning! Today is Fascinating Fact Friday. Did you know that a brain produces almost enough energy to light a light bulb? Let's put that brain to good use today while reviewing and we can "light up" our math test on Monday

Let's Have An AWESOME Day!

Mrs. Oakes

**HAPPY FRIDAY!**  
**Let's Light It Up!**



# END OF MARKING PERIOD:

- ALL STUDY ISLAND ASSIGNMENTS and 6.1 Math Pathway (even if you are a new student)
- Unit 1 Test
- Unit 2 Quiz
- Unit 2 Test

**HOMework:**

**STUDY AND  
PREPARE FOR UNIT 2  
TEST**

# UNIT 2 TEST Oct. 20th



# STUDY ISLAND HELP ALERT!!!!

- Sign in right at 3 or you will miss the mini lesson
- If you need help- don't wait!
- These Study Island Help Sessions are your time

to get STUDY ISLAND HELP!



# Student Expectations...

Being part of this “school” is awesome! How can YOU make this ocean even more awesome??.



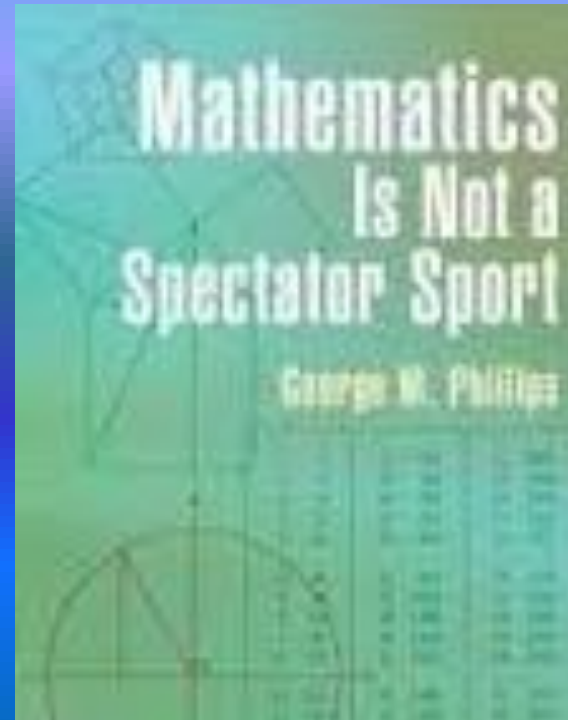
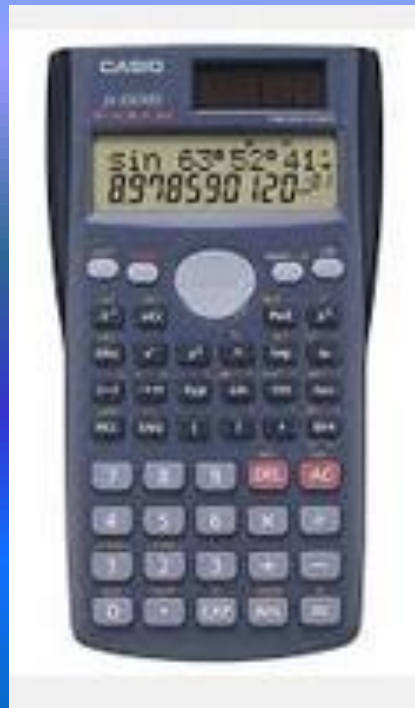
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- ✓ I will BE HERE! **respond** when my name is called, use **polling tools** , **complete classwork**, **notes**, and **chat** to participate!
- ✓ I will **choose my attitude!**
- ✓ I will **demonstrate respect** and **follow directions** for my classmates and teachers to help **make their day!**
- ✓ I will have **fun** learning!

EVERYONE needs a working mic. Call 1-866-K12-care if it's not working. Let's get it fixed!

# GET A CALCULATOR AND PENCIL READY!!!!





# UNIT 2 REVIEW

# OBJECTIVES:

Demonstrate understanding that an equation is a statement that two expressions are equal.

Demonstrate understanding that number lines can be extended to represent negative numbers to the left of zero.

Convert between metric and English units of length and convert units of length within each measurement system.

Solve a problem involving addition or subtraction of integers.

Solve for  $x$  in an equation in the form  $x + a = b$ .

Find the opposite of a number.

Solve an addition or subtraction problem involving decimal numbers.

Interpret absolute value of number  $|n|$  as the distance between a point and zero and that the value is always positive or zero.

Demonstrate understanding that quantities may be compared, added, or subtracted if they have been measured by the same unit.

Select and use appropriate units to make measurements in metric and English measurement systems.

Identify, compare, and order integers.

Solve problems using area and perimeter formulas.

The image features the iconic 'JEOPARDY!' logo in a large, metallic, 3D font. The letters are silver with a blue glow and are set against a dark blue background with a grid pattern. To the right of the logo, there are vertical bars in blue and red, representing the game show's set design.

**JEOPARDY!**

**UNIT 1 REVIEW**

**JEOPARDY**

# MEASUREMENT

$$1 \text{ cm} = 10 \text{ mm}$$

$$1 \text{ m} = 100 \text{ cm}$$

$$1 \text{ km} = 1000 \text{ m}$$

$$1 \text{ ft} = 12 \text{ in.}$$

$$1 \text{ yd} = 3 \text{ ft}$$

$$1 \text{ yd} = 36 \text{ in.}$$

$$1 \text{ mi} = 5280 \text{ ft}$$

# 100 Points

- How many inches are in 3 feet?

A. 12

B. 3

C. 36

D. 48

$$1 \text{ ft} = 12 \text{ in.}$$

$$1 \text{ yd} = 3 \text{ ft}$$

$$1 \text{ yd} = 36 \text{ in.}$$

$$1 \text{ mi} = 5280 \text{ ft}$$

# 200 Points

- How many cm are in 40 mm?
- A. 40
- B. 400
- C. 4
- D. 4444444

$$1 \text{ cm} = 10 \text{ mm}$$

$$1 \text{ m} = 100 \text{ cm}$$

$$1 \text{ km} = 1000 \text{ m}$$

# 300 Points

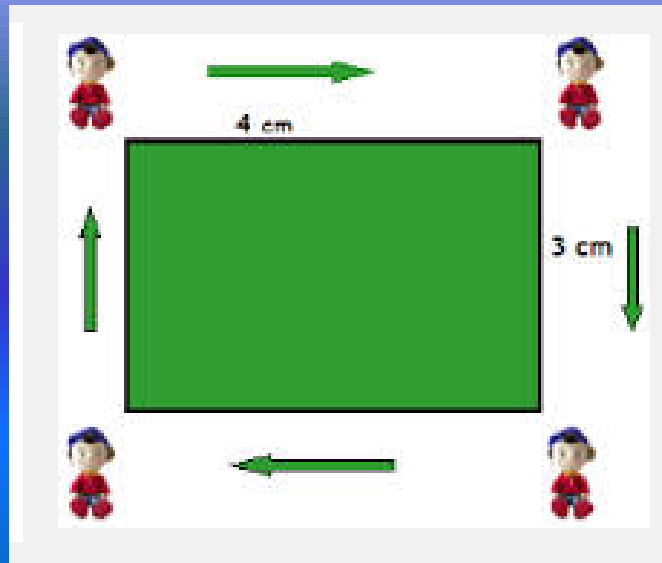
- Can these two units of measure be added?  
34 ounces and 5 miles?

A. Yes

B. No

# PERIMETER

- THE DISTANCE AROUND THE OUTSIDE 😊
- Side + side + side + side

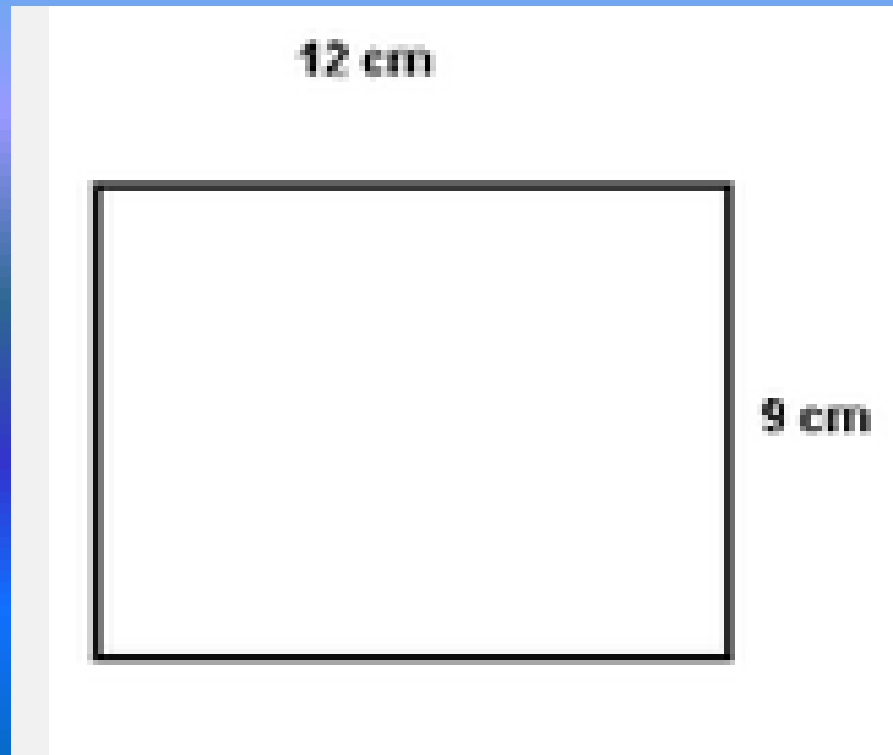




# 100 Points

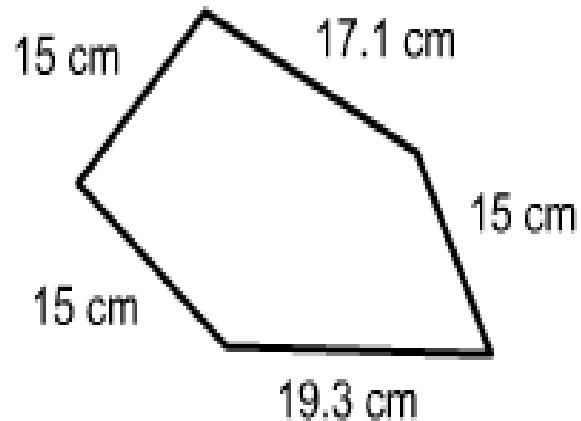
- Find the perimeter:

- A. 21 cm
- B. 42 cm
- C. 108 cm



# 200 Points

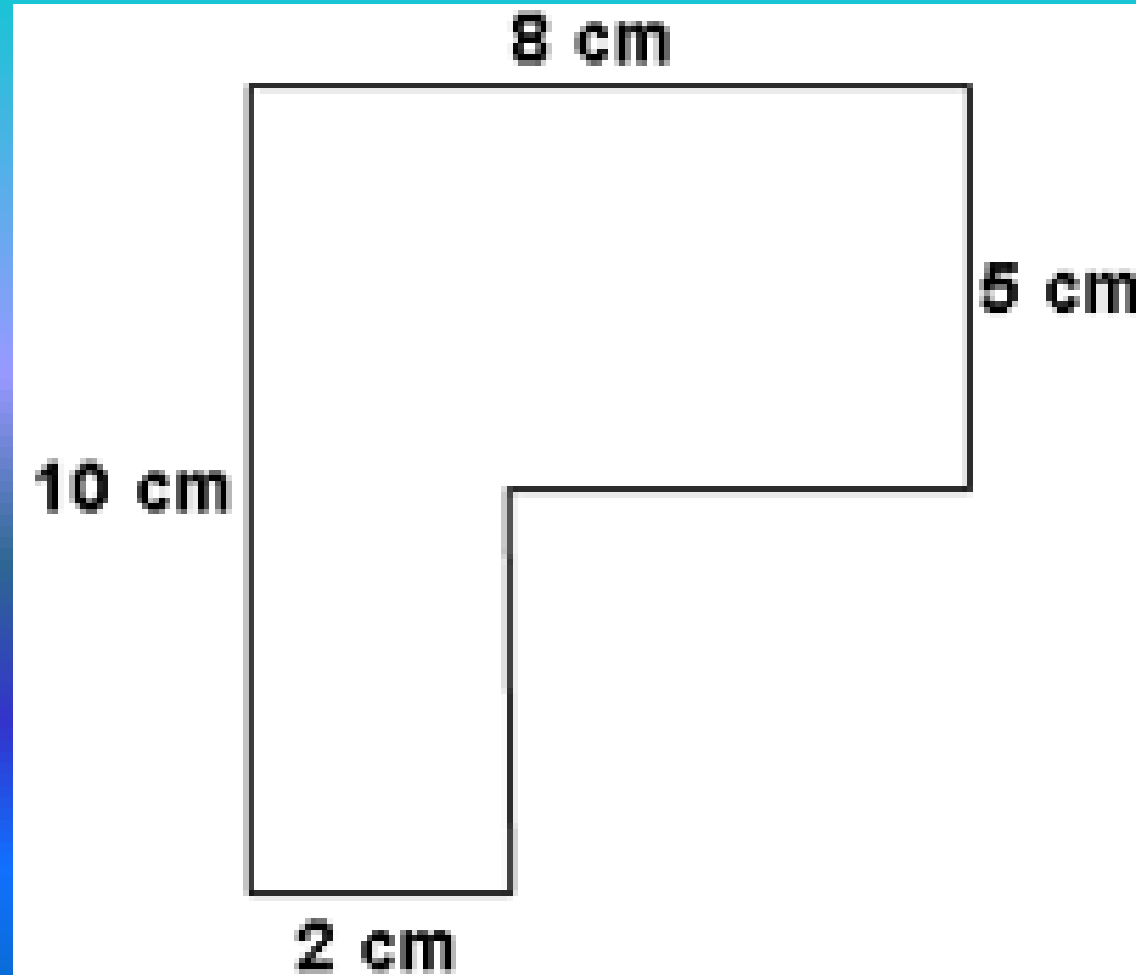
Find the perimeter of the polygon.



**Method 1:** Add the side lengths.

# 300 Points:

- A. 36 cm
- B. 25 cm
- C. 52 cm



# Addition and Subtraction Equations

- ISOLATE THE VARIABLE
- Use the Inverse Operation
- What you do to one Side- you MUST do to the OTHER



# 100

- SOLVE

$$29.3 = d + 7.2$$

$$D = \underline{\hspace{2cm}}$$

- A. 36.5
- B. 22.1
- C. 22
- D. 49.7

200

• SOLVE:

$$Y + 3 = 8.2$$

Y = \_\_\_\_\_

A. 11.2

B. 5.2

C. 5

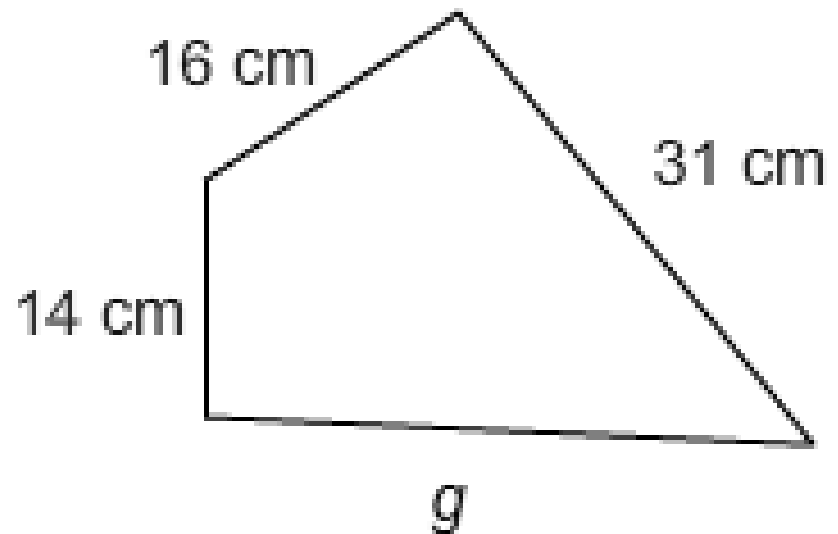
D. 24.2

# 300!

The perimeter of this figure is 80 centimeters.  
Find the value of the unknown side length.

$$80 = 14 + 16 + 31 + g$$

- A. 23 cm
- B. 19 cm
- C. 24 cm



**400 Points:** Set up an equation and solve.

Leah is counting the steps to her apartment. The number of steps to her apartment is 154. So far, she has climbed 70 steps. How many more steps does she have to climb?

A. 224 steps

B. 70 steps

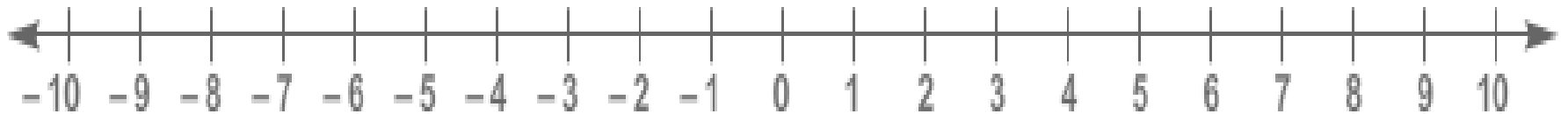
C. 84 steps

D. 99 steps



# Negatives On A Number Line

- LEFT IS LESS LEFT IS LESS LEFT IS LESS



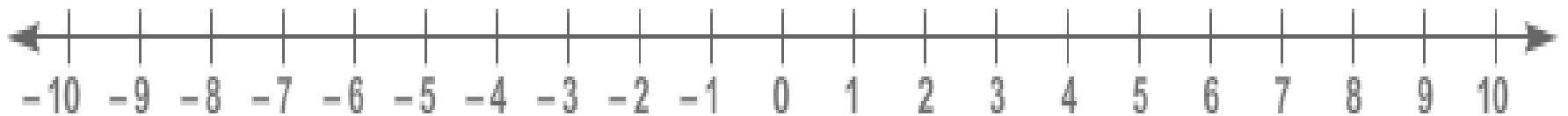
# 100 Points

- Compare -10 and -3

A.  $>$

B.  $<$

C.  $=$



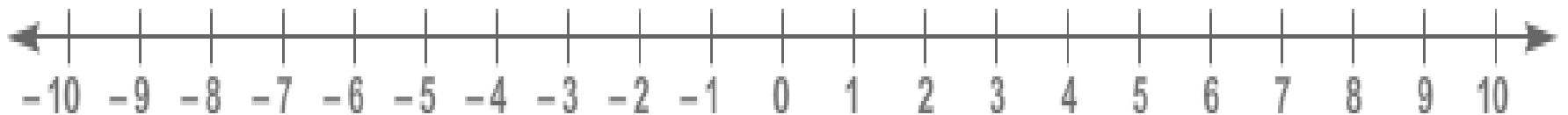
# 200 Points

- Compare: -42 and -100

A.  $<$

B.  $>$

C.  $=$



# ADDING AND SUBTRACTING WITH NEGATIVES

➤ NEGATIVE plus NEGATIVE = NEGATIVE

$$-5 + (-2) = -7$$

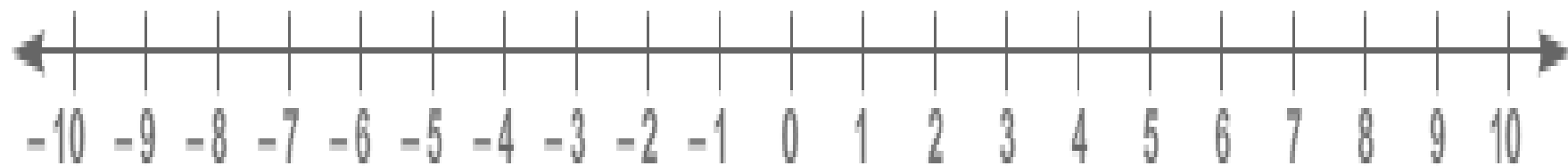
➤ POSITIVE plus POSITIVE = POSITIVE

$$5 + 2 = 7$$

➤ NEGATIVE plus POSITIVE- Takes the sign of the higher absolute value

$$-2 + 5 = 3$$

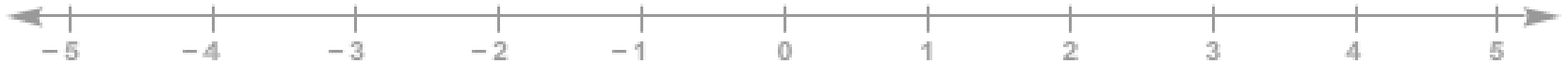
$$-10 + 5 = -5$$



# 100:

- A. 5
- B. -5
- C. 1
- D. -1

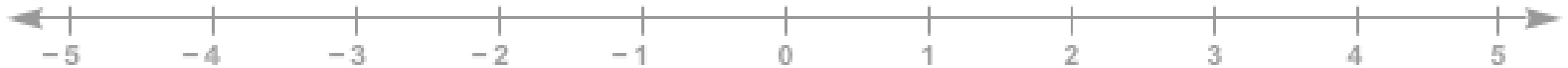
$$3 + (-2) =$$



200:

- A. 12
- B. -12
- C. 2
- D. -2

$$5 + (-7)$$



# 300:

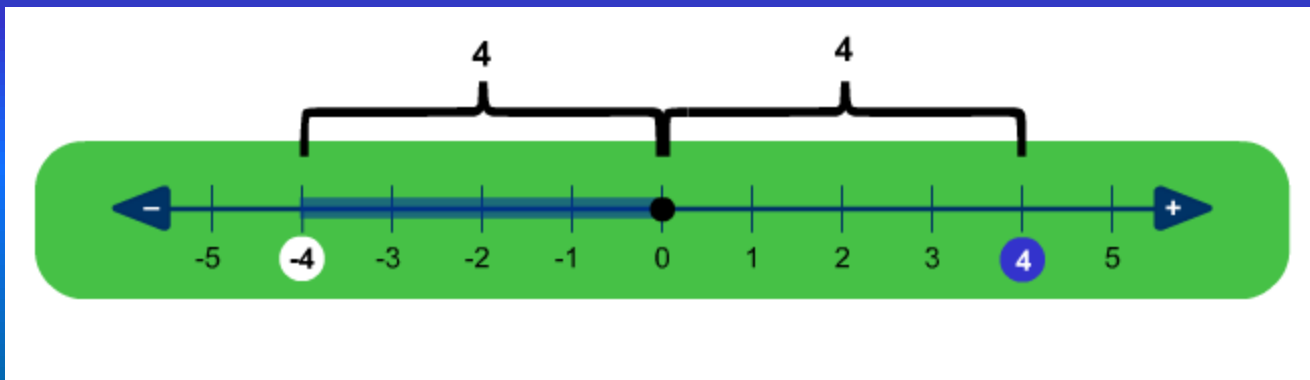
- Solve  $-22 + 15$  (keeping in mind the answer has the sign of the larger absolute value)
- A. -37
- B. -7
- C. 37
- D. 29



# ABSOLUTE VALUE:

The absolute value of a number is the distance from its graph to its origin  
*“Distance from zero”*

-4 Absolute value is  $|4|$



# 100:

- Find the absolute value of -200
- A. 200
- B.  $|-200|$
- C. 0
- D.  $|200|$

# 200:

Find the distance between 172 and 93 on the number line.

$$d = |b - a|$$

- A. -79
- B. 82
- C. |79|
- D. 79

# MATH QUESTIONS?



# HOMework 😊

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