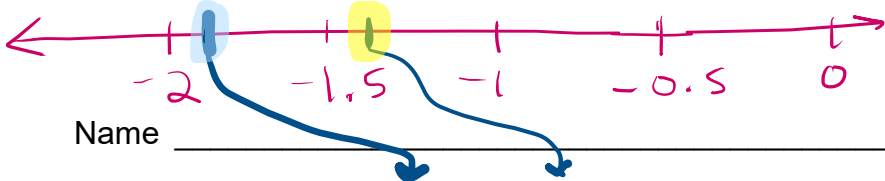


Name _____

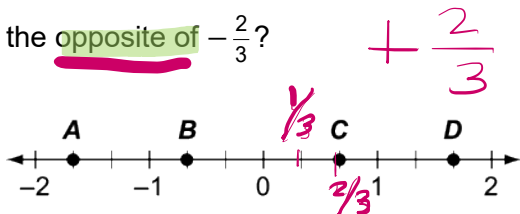


1 What is true about -1.9 and -1.48 when plotted on a number line?

Select **all** the true statements.

- A -1.9 is to the left of -1.48 .
- B -1.9 is to the right of -1.48 .
- C -1.9 is closer to 0.
- D -1.48 is closer to 0.
- E -1.48 is less than -1.9 .
- F -1.48 is greater than -1.9 .

2 Which point on the number line below is the **opposite** of $-\frac{2}{3}$?



- A A
- B B
- C C
- D D

3 What is the least common denominator for $\frac{1}{4}$, $\frac{5}{3}$, and $\frac{7}{9}$?

- A 6
 - B 12
 - C 36
 - D 72
- LCM**

4 Place an X in the table to show whether each inequality is true or false.

	True	False
$-\frac{2}{6} < -2.6$	<input checked="" type="checkbox"/>	<input type="checkbox"/>
$-0.8 < -\frac{8}{10}$	<input type="checkbox"/>	<input checked="" type="checkbox"/>
$\frac{9}{4} > -9.4$	<input checked="" type="checkbox"/>	<input type="checkbox"/>

A positive is always greater than a negative.

5 The table below shows the elevation of four different landforms.

Elevation of Landforms

Landform	Elevation (feet)
Harper Hill	49
Apple Valley	-28.75
Elburn Plain	$37\frac{1}{4}$
Lake Indigo	$-52\frac{1}{2}$

Largest Absolute Value

If sea level is at 0 feet, which landform has an elevation that is **farthest from sea level**?

- A Harper Hill
- B Apple Valley
- C Elburn Plain
- D Lake Indigo

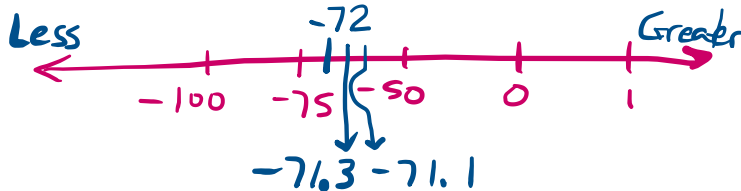
6 Ms. Franco has 64 pencils and 48 erasers. She wants to put an equal number of pencils and erasers into boxes for her students. What is the **GREATEST** number of pencils or erasers Ms. Franco can put in each box?

- A 2
 - B 16
 - C 8
 - D 2
- GCF of 64 + 48**

7 Write the numbers in order from **GREATEST to LEAST**.

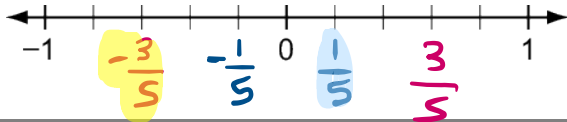
-71.1	$72\frac{5}{6}$	-72	$-71\frac{1}{3}$	72.25
---------	-----------------	-------	------------------	---------

$72\frac{5}{6}, 72.25, -71.1, -71.3, -72$



Name _____

- 8** $2\frac{6}{10} = \frac{-3}{5}$ Plot $\frac{1}{5}$ and -0.6 and their opposites on the number line. **LABEL** each point.



- 9** Korey runs every 3rd day and swims every 4th day. If he runs and swims today, how many days will it be before Korey runs and swims again on the same day?

LCM of 3 and 4 is 12.

- 10** The table below records yesterday's high temperatures for four cities.

Yesterday's High Temperature

City	Temperature (°F)
Rock Falls	-4.5
Beecher Creek	12
Maple Grove	4.8
Newton Canyon	-1

Write the temperatures in the correct order from coldest to warmest.

-4.5, -1, 4.8, 12

- 11** While in flight, a hot air balloon decreases its elevation by $83\frac{2}{5}$ meters and then increases its elevation by 83.7 meters.

Write an inequality to compare the changes in elevation of the hot air balloon while in flight.

$83\frac{2}{5} < 83.7$

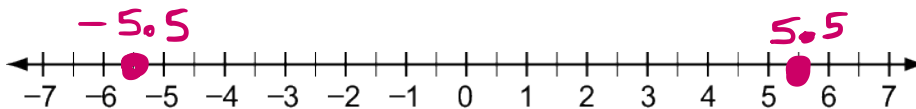
83.4

$5 \overline{) 20.4}$

- 12** Mr. Ling stopped for gas before starting on a short road trip. The change in the amount of gas in his gas tank was 5.5 gallons.

Part A

Plot the change in the amount of gas in Mr. Ling's gas tank and its opposite on the number line. **LABEL** both points.



Part B

Which statement about the points plotted on the number line is true?

- A) The distance of both points from each other is 5.5.
- B) Both points have an absolute value of 5.5.
- C) The absolute value of both points is 0.
- D) Both points are on the same side of 0.

They both are 5.5 away from zero.