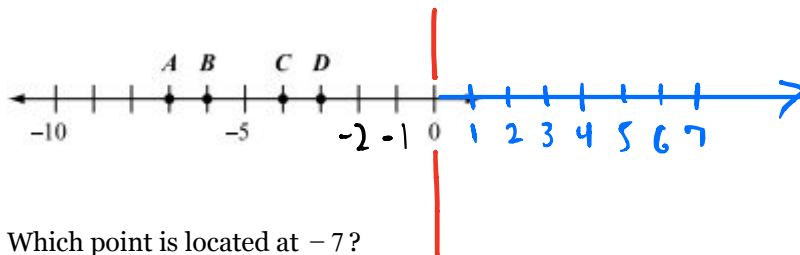


Standard: [CCSS.Math.Content.6.NS.C.6](#)

1. Points A, B, C, and D are shown on the number line below.



Remember The LEFT side of the number line mirrors the RIGHT side with opposites.



Which point is located at -7 ?

- A. point A
- B. point B
- C. point C
- D. point D

Standard: [CCSS.Math.Content.6.NS.B.3](#)

2. At the beginning of the day, a water tank contained 526.8 gallons of water. During the day, some of the water was used to water a garden. At the end of the day, the water tank contained 318.05 gallons of water.

What was the total amount of water used that day?

- A. 202.75 gallons
- B. 208.75 gallons
- C. 208.85 gallons
- D. 210.80 gallons

How do you find a difference?
 Don't forget to line up the decimal points! 😊

Standard: [CCSS.Math.Content.6.NS.B.4](#)

3. Elijah wrote two numbers that follow the rules in the box below.

1 • Both numbers are less than 10.

2 • Both numbers are whole numbers.

- The least common multiple of the numbers is 18.
- The greatest common factor of the numbers is 3.

CHOOSE FROM:

0 1 2 3 4 5 6 7 8 9

→ both numbers need to go into 18, but nothing smaller

→ 3 needs to go into both numbers

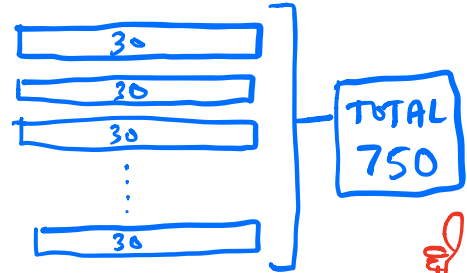
What two numbers did Elijah write?

Short Answer

Number Sense Practice Problems Packet

Standard: [CCSS.Math.Content.6.NS.B.2](#)

4. A theater has a total of 750 seats.
- There are 30 rows of seats in the theater.
 - Each row has the same number of seats.



What is the total number of seats in each row of the theater?

- A. 21
- B. 23
- C. 25
- D. 27

30 times what = 750?

Solve with division



Standard: [CCSS.Math.Content.6.NS.C.5](#)

5. Ethan is hiking in a canyon.
- He is at an elevation that is below sea level.
 - His elevation is within 200 feet of sea level.

Sea level = 0



Which of the following could be Ethan's elevation in feet?

- A. -300
- B. -150
- C. 150
- D. 300

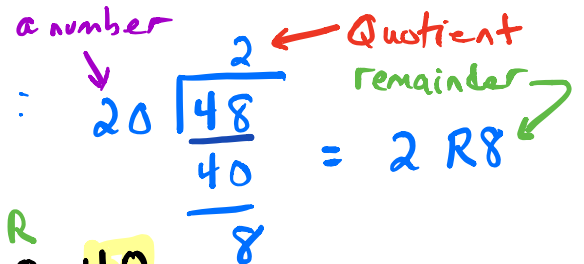
Which answer is within 200 ft of 0 either up or down?

Standard: [CCSS.Math.Content.6.NS.B.2](#)

6. Justin divided 403 by a number and got a quotient of 26 with a remainder of 13. What was the number Justin divided by?

- A. 13
- B. 14
- C. 15
- D. 16

Another Example



Q R
 $20 \cdot 2 + 8 = 48$
 ← number that was divided

So... $26 \cdot n + 13 = 403$


26 "times what number" plus 13 is 403?!

Standard: [CCSS.Math.Content.6.NS.A.1](#)

7. Ms. Nelson needs $5\frac{1}{2}$ yards of fabric to make 2 identical dresses. How much fabric is needed to make **each** dress?

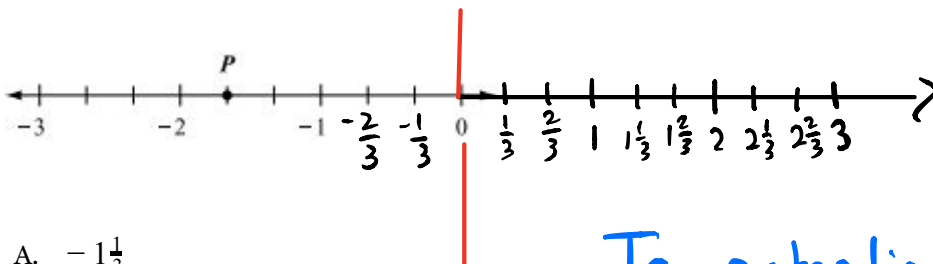
What is $5\frac{1}{2} \div 2$?

- A. $2\frac{3}{4}$ yards
- B. $2\frac{7}{8}$ yards
- C. 3 yards
- D. 11 yards

draw a picture or convert to decimals to help. Ex: 

Standard: [CCSS.Math.Content.6.NS.C.6](#)

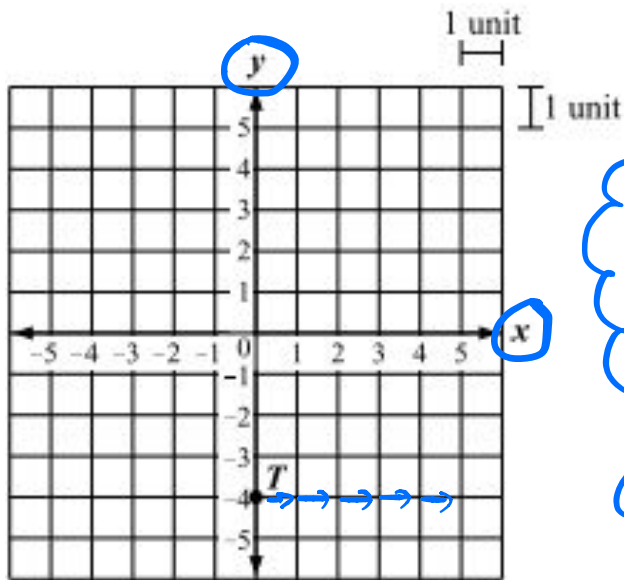
8. Which of the following numbers best represents the location of point P on the number line below?



- A. $-1\frac{1}{3}$
- B. $-1\frac{2}{3}$
- C. $-2\frac{1}{3}$
- D. $-2\frac{2}{3}$

Try extending and labeling the number line intervals. Remember, the number line is a mirror image on each side of "0".

9. The location of point T is shown on the coordinate grid below.



What point is 5 units to the right?

Give the x number first and the y number second.

(x, y)

Point S is located 5 units to the right of point T . What are the coordinates of point S ?

Short Answer

Number Sense Practice Problems Packet

Standard: [CCSS.Math.Content.6.NS.B.4](#)

10. Two bands are marching in a parade.

- There are 32 people marching in the first band.
- There are 40 people marching in the second band.
- The same number of people are marching in each row in both bands.

What is the **greatest** number of people that could be marching in each row?

- A. 2
- B. 4
- C. 8
- D. 10

32: 1, 2, 4, 8, 16, 32
40:

What is the GCF of 32 and 40?

Use the Stair Method if you remember... or the "rainbow".

Standard: [CCSS.Math.Content.6.NS.B.3](#)

11. Gwen studies for 1.5 hours every night. What is the total number of hours Gwen studies for 5 nights?

- A. 4.5 hours
- B. 5.5 hours
- C. 6.5 hours
- D. 7.5 hours

5 nights of 1.5 hours each?
You can add or multiply!
YOU CHOOSE!

Standard: [CCSS.Math.Content.6.NS.B.2](#)

12. The total amount of money collected by a store for sweatshirt sales was \$10,000 . Each sweatshirt sold for \$40 .

What was the total number of sweatshirts sold by the store?

- A. 100
- B. 220
- C. 250
- D. 400

How many times does 40 go into 10,000?

40 times what number is 10,000?

We can divide!

Standard: [CCSS.Math.Content.6.NS.C.7](#)

13. Which of the following mixed numbers has a value between $\frac{10}{3}$ and $\frac{11}{3}$?

- A. $3\frac{1}{2}$
- B. $3\frac{1}{4}$
- C. $3\frac{3}{4}$
- D. $3\frac{1}{8}$

CAN YOU MAKE COMMON DENOMINATORS?
... try 24

Convert these to help! 😊

$$3\frac{10}{9} = 3R1 \quad \text{and} \quad 3\frac{11}{9} = 3R2$$

$3\frac{1}{3}$ $3\frac{2}{3}$

Standard: [CCSS.Math.Content.6.NS.A.1](#)

14. Which of the following is equivalent to the expression below?

- A. $5\frac{1}{2}$
- B. 4
- C. 3
- D. $2\frac{4}{9}$

$3\frac{2}{3} \div \frac{2}{3}$

dividing is...
Multiplying by the Reciprocal (FLIP)

$$\frac{11}{3} \div \frac{2}{3} = \frac{11}{3} \cdot \frac{3}{2} = 1\frac{1}{2}$$

Standard: [CCSS.Math.Content.6.NS.C.5](#)

15. The temperature on Saturday was -4 degrees Fahrenheit ($^{\circ}\text{F}$). The temperature on Sunday was 9 degrees warmer than the temperature on Saturday. What was the temperature, in degrees Fahrenheit, on Sunday?

Short Answer

What is the temperature if a thermometer "goes up" 9 degrees?

