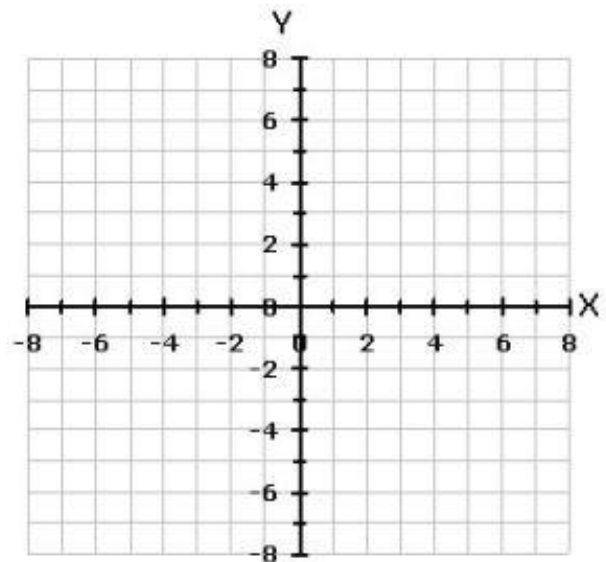


1. Find the difference in simplest form: $8\frac{3}{7} - 5\frac{3}{4}$

2. Find the quotient in simplest form: $\frac{6}{7} \div 1\frac{1}{4}$

3. Molly is training for a race and is running 6 miles each week for the next 10 weeks.
If Molly already ran $2\frac{3}{5}$ mile on the first day of the week, how many more miles does she need to run in order to reach her week goal.

4. If Point $(-3, -2)$ is shifted to the right 5 units, what is the new ordered pair after the shift?



5. Mrs. Smith had the following transactions during the week:

Monday Deposit \$615
Tuesday Withdrawal \$187
Wednesday Withdrawal \$113
Thursday Deposit \$317
Friday Withdrawal \$168

What is the sum of all the transactions for the week?

6. Use this information of city elevations to answer the following questions.

Mumbai, India 29 feet above sea level
Virginia Beach, Virginia 13 feet above sea level
Camargue, France 9 feet below sea level
Heber, California 26 feet below sea level
Lake Eyre, Australia 72 feet below sea level

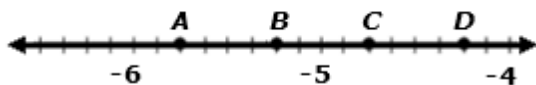
- A. How many feet below is Heber from Mumbai?
- B. How many more feet above is Virginia Beach than Lake Eyre?
- C. What is the difference in elevation between Virginia Beach and Camargue?
- D. What is the distance in elevation between Camargue and Mumbai?

7. The master bedroom is $4\frac{1}{2}$ times the size of the guest room. If the guest room is $15\frac{1}{3}$ feet long, how long is the master bedroom?
8. A blue whale and a sea lion are swimming in the ocean. The blue whale's current depth is -67 feet below sea level, while the sea lion is closer to the surface. Which of the following depths could represent the sea lion's current location?
- A. -79 feet below sea level
 B. -54 feet below sea level
 C. -108 feet below sea level
 D. -13 feet below sea level
9. In a valley, Checkpoint A is located at 57 feet below sea level. Checkpoint B is located at 103 feet above sea level. How much higher is Checkpoint B than A?
10. The information below shows the ratios of black paint to white paint needed to make different shades of gray paint.

Shades of Gray	Black:White
Gray Pearl	2:8
Urban Gray	2:14
Gray Fox	4:1
Volcanic Gray	7:1

If the paint company mixes 14 gallons of black paint with 2 gallon of white paint, which shade of gray will it make?

11. Name all the points on the number line below.



A: _____ B: _____ C: _____ D: _____

12. Shay wants to list the numbers below in order from least to greatest.

0.05, 0.5, 0.005, 0.5, 0.0005, $\frac{1}{50}$

13. Film Extravaganza is having a sale on DVDs. The store is offering a sale pack of 6 movies for \$55.80. What is the unit price of a DVD in the sale pack?

14. Suzanne is baking cupcakes. Her cupcake recipe calls for $5\frac{1}{4}$ cups of flour. Suzanne has already added $2\frac{4}{5}$ cups of flour. How much more flour does Suzanne need to add in order to reach the amount called for in the recipe?

15. The current temperature, in degrees Fahrenheit, on Whiteface Mountain in New York is twenty degrees below zero.

What integer does that temperature represent?

16. What is the distance between the points (2, 4) and (2, -3)?

17. Write the 132% as a fraction or as a mixed number in simplest form.

18. In Mr. Wong's class 30% of the students are girls. What decimal represents the portion of the students that are boys?
19. Write $\frac{3}{25}$ as a decimal and as a percent.
20. Write 0.05 as a fraction and as a percent.
21. Blake made 32 out of 40 free throws last season. What percent of his free throws did Blake make last season?
22. A baker made 40 muffins for a café. By noon, 35 percent of the muffins were sold. How many muffins are left to be sold?
23. There were 180 people at concert. If 60 percent of the seats were filled, how many seats are in the auditorium?

24. Given the point $(5, 7)$, what is the point that is reflected on the y-axis?
25. Arianna bought a shirt for \$17.69. Her thirteen friends love her shirt and want it too, how much will they spend for all of the shirts purchased?
26. Ivan ran 4 miles in 25 minutes, how many minutes did it take him to run 7 miles?
27. Emily went shopping and spent \$48.23. She bought a shirt, shorts and socks. The socks cost \$2.99 and the shirt cost \$17.89, how much did Emily pay for her shorts?

