

Basic Arithmetic Drill

You can check your answers in Part VIII: Answer Key to Drills.

1. Which of the following have the same value as $\frac{3}{5}$? Click on the numbers you want to select and drag them into the boxes. (For this drill, write the numbers in the boxes.)

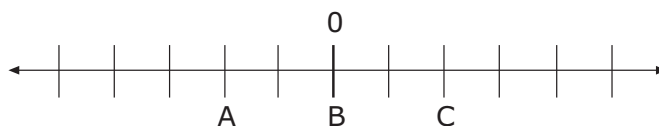
$$\boxed{} = \frac{3}{5} = \boxed{}$$

6%	1.7	$\frac{9}{15}$	0.6	3%
0.9	$\frac{5}{3}$	$\frac{9}{10}$	20%	

2. Ralph goes out to lunch and receives a bill listing a subtotal of \$14.65 and tax of \$1.47. Ralph leaves a 20% tip on the total amount. The amount he tips is the amount of tax charged.
- | |
|--------------|
| greater than |
| less than |
| equal to |
3. If a boat takes 2 hours to travel 30 miles, how long will it take to travel 72 miles?
- A. 1.2 hours
 B. 4.0 hours
 C. 4.8 hours
 D. 6.0 hours

4. Susan did $\frac{1}{4}$ of her homework on Tuesday and $\frac{1}{5}$ of her homework on Wednesday. What fraction of her homework remains to be done?

- A. $\frac{9}{20}$
 B. $\frac{11}{20}$
 C. $\frac{7}{9}$
 D. $\frac{19}{20}$



5. In the figure above, point B represents the number 0. If the midpoint of segment AB is at point -2 on the number line and the midpoint of BC is at point 2 on the number line, then which point represents the midpoint of segment AC?

Click on the number line to plot the point. (For this drill, plot the point by marking an X on the number line.)

6. You are working out a one-year payment plan for a new bicycle. The bicycle costs \$275. Tax on the purchase is 11%. You will make 12 equal payments and do not owe any additional interest. How much is each payment, to the nearest dollar?

- A. \$20.00
- B. \$23.00
- C. \$25.00
- D. \$30.00

7. If $5R - 5S = 35$, then what is the value of $R - S$?

- A. 5
- B. 6
- C. 7
- D. Not enough information is given.

8. $5(2 - 4 + 1) + \frac{2}{3}(7 - 1) = ?$

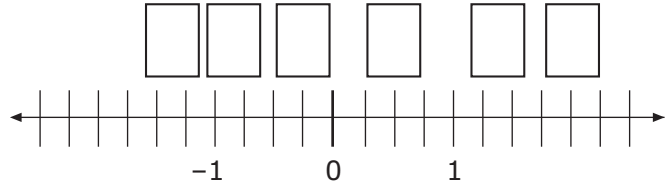
9. If 30 people in a room of 70 people are smokers, approximately what percent of the people in the room are smokers?

- A. 23%
- B. 30%
- C. 43%
- D. 57%

10. A bankrupt company agrees to pay its creditors 80% of what they are actually owed. If the company pays \$9,600, what did they originally owe?

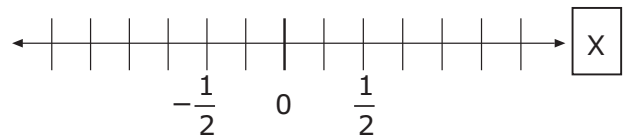
- A. \$7,680
- B. \$8,000
- C. \$11,520
- D. \$12,000

11. Click on the numbers below and drag them into the boxes that represent the appropriate places on the number line. (For this drill, simply write the numbers in the boxes.)



- | | | |
|------|----------------|----------------|
| 2 | 0.5 | $\frac{4}{-3}$ |
| -0.8 | $-\frac{1}{4}$ | $\frac{11}{8}$ |

12. On the number line below, click on the X and drag it onto the number line above the tick mark that represents 1.25. (For this drill, simply write the X on the number line.)



13. Which of the following represents the sum of the factors of 14?

- A. 9
- B. 10
- C. 23
- D. 24

14. Which of the following is NOT a multiple of 4?

- A. 4
- B. 12
- C. 34
- D. 68