

## **Pg 512 #1-15 all**

1. 9
2. 64
3. 22
4.  $4 < |-8|$
5.  $|-7| > -12$
6.  $-7 < |3|$
7. -17
8. 11
9. -18
10. 24
11. -1
12. -5
13. -1
14. -36
15. -100

## **Pg 548 #1-21 all**

1. 0.175

2.  $-0.\overline{1}$

3.  $-1.3125$

4. 7.2

5.  $-\frac{61}{500}$

6.  $\frac{33}{100}$

7.  $-4\frac{9}{20}$

8.  $-7\frac{9}{100}$

9.  $-1\frac{13}{18}$

10.  $1\frac{13}{24}$

11. 6.4

12.  $-9.24$

13.  $-10\frac{2}{5}$

14.  $-\frac{11}{25}$

15. 26.488

16.  $-3.\overline{3}$

17.  $5\frac{1}{7}$

18.  $-0.12$

**19.** 11 containers

**20. a.**  $-45$  feet

**b.**  $-18$  feet

**21.** greater than; The sum of the three months is 0.46.

## **Pg 592 #1-15, 20**

1.  $10x - 5$

2.  $6.5w - 3y$

3.  $15 + 3n$

4.  $\frac{1}{14}x + 6$

5.  $11j + 4$

6.  $12p + 6$

7.  $8r - 17$

8.  $-18.5s + 28.1$

9.  $3(n - 8)$

10.  $\frac{1}{2}(q + 5)$

11.  $x = -\frac{3}{7}$

12.  $x = -2$

13.  $g = -36$

14.  $z = -9.1$

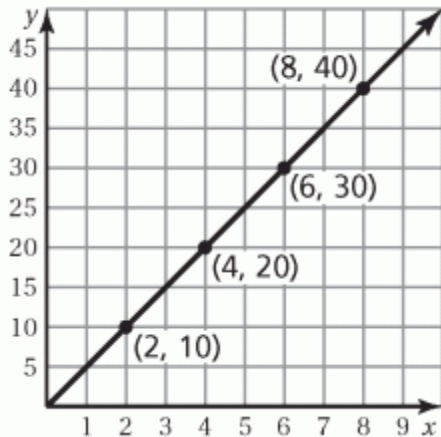
15.  $c = -2\frac{1}{3}$

20.  $2\frac{3}{5}$

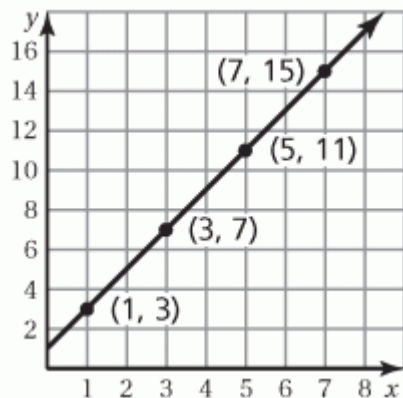
## Pg 644 #1-10, 18

1. 7 miles per day
2.  $\frac{16}{25}$  kilometer per minute
3. yes
4. no

5. yes



6. no



7. *Sample answer:*

$$\frac{8 \text{ gallons}}{6 \text{ gallons}} = \frac{m \text{ miles}}{180 \text{ miles}}$$

8. *Sample answer:*

$$\frac{6 \text{ classes}}{8 \text{ hours}} = \frac{c \text{ classes}}{4 \text{ hours}}$$

9.  $x = 18$
10.  $y = 34$
18. Add 6 quarts of yellow

## Pg 700 #1-22

1. 0.0096

2. 0.65

3. 0.257

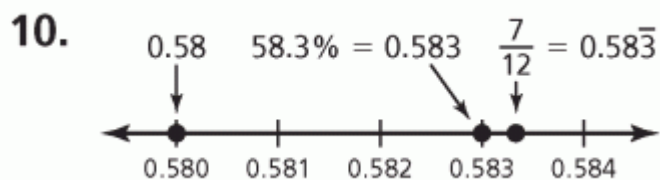
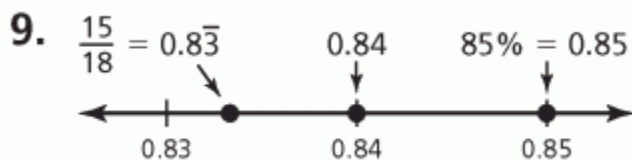
4. 42%

5. 788%

6. 58.54%

7. 65%

8. 5.6



11. 75%

12. 160%

13. 36

14. 750

15. increase; 150%

16. decrease; 25%

17. \$14.25

18. \$9.63

19. \$216

20. \$900

21. Your friend

**22. a.** 12%

**b.** 84 cars; To get the same percent error, the amount of error needs to be the same. Because your estimate was 9 cars below the actual number, an estimate of 9 cars above the actual number will give the same percent error.