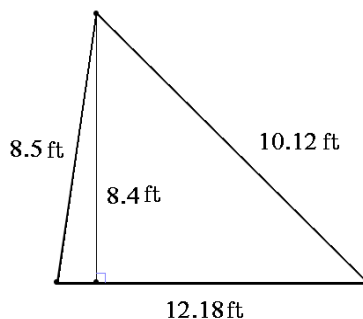


- Use words to write 210 670.020556. **two hundred ten thousand, six hundred seventy and twenty thousand, five hundred fifty-six millionths**
- Round $6.3\overline{17}$
 - to the nearest thousandths **6.317**
 - to four decimal places **6.3172**
- Complete the following table. Make sure to reduce the fractions.

Fraction	Percent	Decimal
$\frac{1}{2}$	50%	0.5
$\frac{16}{25}$	64%	0.64
$\frac{3}{4}$	75%	0.75

- Compute the perimeter and area of the triangle shown on the picture. Include units in your computation and answer. **$P = 30.8 \text{ ft}$, $A = 51.156 \text{ ft}^2$**



- Compute the least common multiple of 28, 98, and 60. **2940**
- Compute the average of 4.1, -5.36 , 7.2, -10.5 , and 2.16. **-0.48**
- Consider the following numbers. 548, 690, 16 220, 5550, and 8800
 - Find all numbers from the list that are divisible by 4. **548, 16 220, 8800**
 - Find all numbers from the list that are divisible by 5. **690, 16 220, 5550, 8800**
 - Find all numbers from the list that are divisible by 20. **16 220, 8800**
- Convert 0.13 miles to feet. **686.4 ft**
- If we multiply a number by 4.5 and decrease this product by 0.8, the result is 5.5. Find this number. **1.4**

10. The factory found that the ratio of defective machines to functional machines in the inventory was 2 to 95. How many defective machines were in the inventory if the number of functional machines was 475? **10**
11. The area of a rectangle is 12.04 in^2 . Find the width of the rectangle if its length is 2.8 inches. **4.3 in**
12. Bill's monthly salary was raised from \$1600 to \$1664. What percent of a change does this represent? **4%**
13. a) A car travels 200 miles in four hours. Compute the average speed of the car. **$50 \frac{\text{mi}}{\text{h}}$**
 b) A car is traveling with a constant velocity of 60 miles per hour. How far does it travel in 8 hours? **480 mi**
 c) A car is traveling with a constant velocity of 55 miles per hour. How long does it take for the car to travel 990 miles? **18 hours**
14. Perform the following operations. Do not use a calculator.

a) $(-2.5)^2 - 1.6 \cdot 2.25 \div (-1.5) =$ **8.65**

b) $4.75 \div (-3.8) =$ **-1.25**

c) $\frac{0.005}{0.000001} - \frac{0.004}{0.00025} =$ **4984**

d)
$$\frac{-4 \left(\frac{12 - 4(-2)}{3 \cdot 2 + (-2)^2} \right) - 5 |(-1)^5 - 7|}{-3^2 - (-3)} =$$
 8

e) $5 \frac{1}{3} \left[\left(-\frac{5}{8} + \frac{1}{4} \right) - \left(-\frac{1}{4} \right) \right] =$ **$-\frac{2}{3}$**

15. Evaluate $\frac{5x^2 + 3x - 2}{x + 1}$ if

a) $x = -3.2$ **-18** b) $x = -\frac{1}{2}$ **$-\frac{9}{2}$**

16. Solve each of the following equations. Make sure to check your solution.

a) $1.4x + 5.8 = 3$ **-2**

c) $5x - 4.8 = 3.2$ **1.6**

b) $\frac{1}{3}y - \frac{1}{2} = -\frac{3}{8}$ **$\frac{3}{8}$**

d) $\frac{x - 1.2}{0.5} = 2.2$ **2.3**