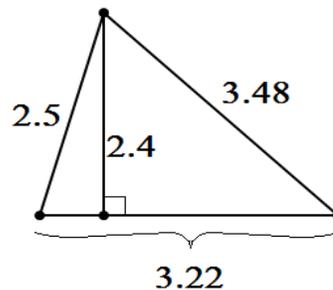


- Use words to write 218 006.700502
- Round  $31.09\overline{48}$ 
  - to the nearest thousandths
  - to four decimal places
- Compute the following table. Make sure to reduce the fractions.

Fraction	Percent	Decimal
$\frac{2}{5}$		
	75%	
		0.01

- Compute the perimeter and area of the triangle shown on the picture. Units are in centimeters. Include units in your computation and answer.



- Compute the least common multiple of 63, 75, and 100.
- Compute the average of 1.54,  $-5.85$ , 5.43,  $-6.8$ , and 2.18.
- Consider the following numbers. 441, 852, 1836, 5283, and 492.
  - Find all numbers from the list that are divisible by 4
  - Find all numbers from the list that are divisible by 9.
  - Find all numbers from the list that are divisible by 36.
- Convert 7920 feet to miles.
- Write each of the following fractions as a decimal. Round your answer to the nearest thousandths.
  - $\frac{3}{11}$
  - $\frac{37}{15}$
  - $\frac{15}{37}$
- If we multiply a number by 7 and decrease this product by 3, the result is 30.6. Find this number.

11. We are planning to enlarge a picture that is 4.5 inches long and 2.8 inches wide. How wide should the enlarged picture be if we want its length to measure 18 inches?
12. Sue is working at the library and her monthly salary is \$1500. How much would she make in a month if the library increased her monthly salary by 5%?
13. On the first day, the explorers traveled 32 miles in 8 hours. The next day they had to travel 49 miles, so they increased their average by 3 miles per hour. How long did it take for them to travel the 49 miles on the second day?
14. The salesman drove to the southern headquarters in 8 hours. His average velocity was 36 miles per hour. The next day, he needed to drive back in 6 hours. What should his average velocity be?
15. Four numbers out of five are:  $-2$ ,  $7.5$ ,  $-2.5$ , and  $6$ . Find the fifth number if we know that the average of the five numbers is 2.
16. Perform the following operations. Do not use a calculator.

a) 
$$\frac{(-1.5)^2 - (-2)^3 \cdot 1.5 + \frac{0.6}{0.8}}{|1.1^2 - 1.3 \cdot 1.7|} =$$

b) 
$$\frac{1}{5} \left( 3\frac{1}{4} - 2\frac{1}{3} \right) + \frac{7}{15} =$$

17. Evaluate  $\frac{6x^2 - 7x - 5}{3x - 5}$  if

a)  $x = -0.4$                       b)  $x = -\frac{3}{4}$

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

a)  $1.3x - 0.75 = 5.1$               b)  $\frac{a + \frac{1}{7}}{\frac{4}{7}} = 4\frac{1}{3}$               c)  $0.7 - 0.4x = -0.3$               d)  $\frac{2x - 5}{3} = 7$