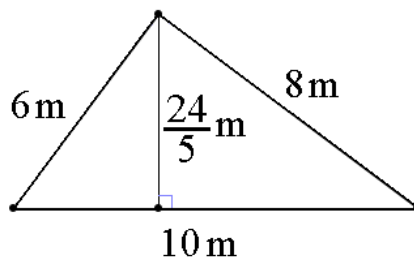


- Use words to write each of the following numbers.
 - 120.96 **one hundred twenty and ninety-six hundredths**
 - 3.096 **three and ninety-six thousandths**
 - 208 000.000 05 **two hundred eight thousand and five hundred thousandths**
- Write each of the following decimals as a mixed number. Make sure to reduce the fraction part to lowest terms.
 - 4.96 $4\frac{24}{25}$
 - 3.15 $3\frac{3}{20}$
 - 2.25 $2\frac{1}{4}$
- Compute the perimeter and area of the triangle shown on the picture. $P = 24\text{ m}$, $A = 24\text{ m}^2$



- Compute the least common multiple of 48, 500, and 300. **6000**
- Compute the average of the prime numbers between 50 and 60. **56**
- Consider the following numbers. 48 006, 9603, 55 440, 3303, 9040
 - Find all numbers from the list that are divisible by 4. **55 440, 9040**
 - Find all numbers from the list that are divisible by 5. **55 440, 9040**
 - Find all numbers from the list that are divisible by 9. **48 006, 9603, 55 440, 3303**
 - Find all numbers from the list that are divisible by 36. **55 440**
- 35% of a number is 224. Find this number. **640**
- Compute 75% of 300. **225**
- 36 is what percent of 200? **18%**
- Convert 7 600 000 centimeters to kilometers. **76 km**
- If we increase a number by 13 and multiply this sum by 7, we get 77. Find this number. **-2**
- The ratio of cats to dogs is 14 to 9. How many dogs are there if the number of cats is 420? **270**
- The area of a rectangle is 8 in^2 . Find the width of the rectangle if its length is $3\frac{1}{4}$ inches. $\frac{32}{13}\text{ in} = 2\frac{6}{13}\text{ in}$
- Sally is making \$1800 per month. How much would she make in a month after a 4% raise? **\$1872**

15. A TV went on a 15% off sale. The sale price is \$612. Find its original price. **\$720**
16. The population of a town grew from 10 000 000 to 10 800 000. What percent of a change does this represent? **8% increase**
17. Perform the following operations. Do not use a calculator.
- a) $2.05 \cdot 1000 =$ **2050**
- b) $6.0308 \cdot 100 =$ **603.08**
- c) $82.34 \div 1000 =$ **0.08234**
- d) $\frac{2(-5+3)}{-2^2} - \frac{(-3^2+2)3}{3-(-4)} =$ **4**
- e) $\frac{2}{5} \left(\frac{3}{8} - \frac{1}{2} \right) + \left(-\frac{1}{2} \right)^2 =$ **$\frac{1}{5}$**
18. Evaluate $(a - b)(a^2 + ab + b^2)$ if $a = -3$ and $b = -5$. **98**
19. Evaluate $2ab - \frac{2}{3}a + b - \frac{1}{3}$ if $a = -3 - \frac{1}{2}$ and $b = -\frac{5}{3}$ **12**
20. Solve each of the following equations. Make sure to check your solution.
- a) $-3x + 8 = -1$ **3**
- b) $5a - \frac{1}{2} = \frac{1}{6}$ **$\frac{2}{15}$**

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