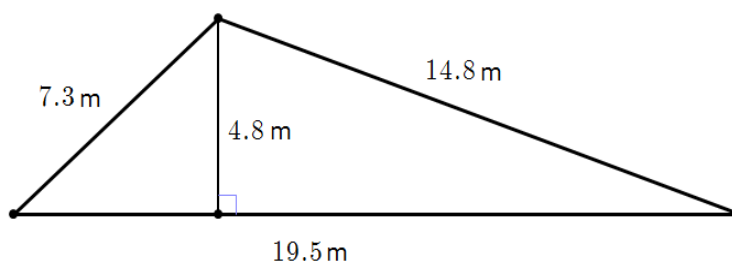


- Use digits to write ten million, three hundred sixty-five thousand, fourteen and fifty-seven thousand, four hundred thousandths. **10 365 014.57004**
- Use words to write 324 067.09038. **three hundred twenty-four thousand, sixty-seven and nine thousand, thirty-eight hundred thousandths**
- Write 2.85 as a mixed number. Make sure to reduce the fraction part.  **$2\frac{17}{20}$**
- Round  $4205.\overline{35}$ 
  - to the nearest ten thousandths **4205.3556**
  - to two decimal places **4205.36**
- Complete the following table. Make sure to reduce the fractions.

Fraction	Percent	Decimal
$\frac{7}{20}$	35%	0.35
$\frac{1}{2}$	50%	0.5
$\frac{3}{2}$	150%	1.5

- Compute the perimeter and area of the triangle shown on the picture. Include units in your computation and answer.  **$P = 41.6 \text{ m}$ ,  $A = 46.8 \text{ m}^2$**



- Compute the least common multiple of 60, 75, and 80. **1200**
- Compute the average of 2.13,  $-4.05$ , 6.89,  $-0.65$ , 8.01,  $-1.04$ , 3.34,  $-6.78$ , 9.08, and  $-4.53$ . **1.24**
- Consider the following numbers. 37 112, 414 141, 1866, 3570, and 7227 050
  - Find all numbers from the list that are divisible by 2. **37 112, 1866, 3570, 7227 050**
  - Find all numbers from the list that are divisible by 3. **414 141, 1866, 3570**
  - Find all numbers from the list that are divisible by 6. **1866, 3570**

10. 72% of a number is 108. Find this number. **150**
11. 90 is what percent of 75? **120%**
12. Convert  $\frac{1}{5}$  miles to feet. **1056 ft**
13. If we multiply a number by 8 and decrease this product by 17, the result is  $-49$ . Find this number.  **$-4$**
14. Our video rental store has a wide variety of movies. The ratio of action movies to romantic comedies is 13 to 11. How many action movies are in the store if the number of romantic comedies is 660? **780**
15. The area of a rectangle is  $540 \text{ cm}^2$ . Find the width of the rectangle if its length is 100 centimeter.  
 **$\frac{27}{5} \text{ cm} = 5.4 \text{ cm}$**
16. A TV went on a 15% off sale. The sale price is \$357. Find its original price. **\$420**
17. Perform the following operations. Do not use a calculator.
- a)  $2.56 - 5.78 =$   **$-3.22$**
- b)  $8.31 \cdot (-12.05) =$   **$-100.1355$**
- c)  $0.012 \cdot 78000 =$  **936**
- d)  $7.632 \div 3.18 =$  **2.4**
- e)  $2 - (3 - |(-2)^3 + (-6)^2|) =$  **27**
- f)  $\frac{\frac{1}{3} - \frac{1}{4}}{\frac{1}{2} - \frac{1}{5}} =$   **$\frac{5}{6}$**
- g)  $\frac{\frac{1}{3} - \frac{1}{4}}{\frac{1}{1} - \frac{2}{5}} =$   **$\frac{2}{15}$**
18. Evaluate  $\frac{x^2 - 5x + 6}{2 - x}$  if
- a)  $x = 5$   **$-2$**       b)  $x = \frac{1}{2}$   **$\frac{5}{2}$**
19. Solve each of the following equations. Make sure to check your solution.
- a)  $\frac{x+1}{4} = 8$  **31**
- b)  $1\frac{4}{7}y - \frac{2}{3} = -\frac{8}{21}$   **$\frac{2}{11}$**
- c)  $10x + 3.8 = -11.2$   **$-1.5$**
- d)  $8 - 3x = -7$  **5**

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