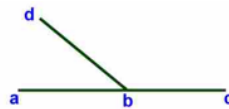


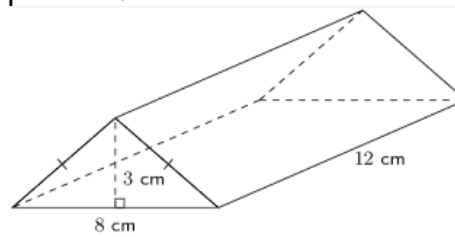
- The circumference of a circle is 57.148 cm. What is length of the radius rounded to the nearest centimeter?
- The Jones family is adding a rectangular swimming pool to their backyard. The blueprint of the pool measures 7 in. x 9 in. The scale of the blueprint is 1 in. = 3.75 feet. What are the actual dimensions of the pool?
- Jonathan built a scale model of his house. He built the model 8 inches tall to represent the actual height of 19 feet. Write an equation that represents the relationship between the actual height, a , in feet, and the height of the model, m , inches?
- A sweater at Target costs \$32. After tax the sweater is \$28.14. What is the sales tax rate?
- There are three colors of marbles in the bag: red, green, and yellow. If the probability of getting a red was $\frac{2}{7}$ and the probability of getting a green was $\frac{3}{5}$, what is the probability (in fraction form) of getting yellow?
- Simplify $-\frac{3}{9}(24x - 6) - (4x - 9)$
- Betty mixed $1\frac{3}{4}$ gallons of yellow paint with $\frac{1}{2}$ gallons of blue paint to make green paint for her treehouse. She ran out of green and needs to make more. If she uses 6 gallons of blue paint, to keep the same ratio, how much yellow paint should Betty use?
- Caleb has a job at the grocery store. He earns \$7.50 an hour for bagging groceries and \$3.75 an hour for returning carts. Last night, he bagged groceries for 3 hours and returned carts for 1.5 hours. How much money did Jeff make last night?
- Solve for x . $\frac{x+8}{-4} = -21$
- If $\angle abd$ is 47° , what is the measure of $\angle cbd$?



- Aarav spent \$32 to take his girlfriend to the movies. He spent 60% on snacks and the remainder was spent on the two tickets. How much was each ticket?
- The chart below shows how long Alexis spent on homework the last two weeks, in minutes. What is the approximate difference in each week's average?

| | Mon | Tue | Wed | Th |
|--------|-----|-----|-----|----|
| Week 1 | 32 | 25 | 26 | 42 |
| Week 2 | 25 | 32 | 26 | 34 |

- On a set of blueprints for a new home, the contractor has established a scale that states $\frac{1}{4}$ inch = 6 feet. What is the actual width of the living room whose distance is $1\frac{3}{4}$ inch on the blueprints?
- Simplify. Write your answer as a decimal. $-4[2^4 + (\frac{3}{4})^3]$
- Two stores have headphones on sale. Store A has the headphones on sale for 30% off the original price of \$159.99. Store B has the headphones on sale for 25% off the original price of \$130.50. What's the difference in the sale prices?
- Julie bought 3.25 pounds of apples to make a pie. The total was \$4.54. How much does one pound of apples cost?
- Camilla has three pieces of ribbon that measure 2 feet, 3 feet, and 4 feet. Without cutting the ribbon, can Jennifer make a triangle out of the pieces of ribbon?
- What is the volume of the prism to the right?



- Solve for m . $-32 = -3m + 7$
- Simplify $-9(2x + 4) + 8x + 34$