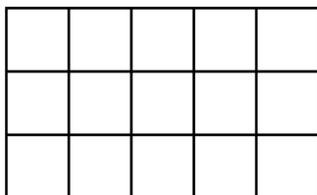
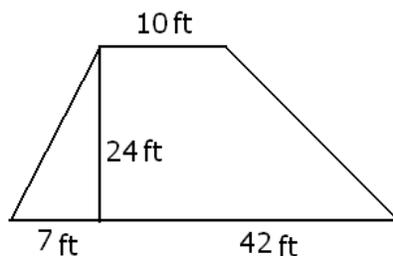


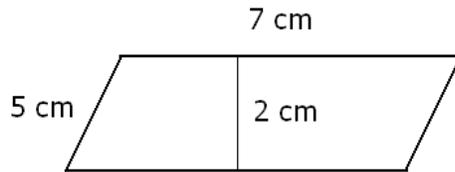
- Find $n(X)$ if we know that $n(Y) = 17$, $n(X \cup Y) = 27$, and $n(X \cap Y) = 6$.
- The height of a cylinder is 4 in. Its base is a circle with radius 3 in. Find its volume.
- Does the triangle with sides 15 in, 18 in, and 20 in have a right angle?
- Two sides of a right triangle are 24 cm and 25 cm. Find the third side.
- A club has 15 members. They want to elect their president, vice president, and secretary. How many different outcome of the election is possible?
- A club has 15 members. They want to elect a 3 person committee. How many different outcome of the election is possible?
- How many rectangles are there on the picture below?



- How many squares are there on the picture above?
- The price of a book was increased from \$48 to \$57.60. What percent of a change does this represent?
- Find the distance between the points $A(-5, -2)$ and $B(-8, 6)$.
- The population of a town has decreased from 80000 to 76800. What percent of a change does this represent?
- We borrowed \$2500 with an annual simple interest rate of 12%, for three years. How much money do we have to pay back after three years?
- We borrowed \$3000 with an annual simple interest rate of 12%. We can pay back the money in three months. How much do we have to pay at this time?
- Find the perimeter and area of the trapezoid shown on the picture.



15. Find the volume of a solid if its height is 9 cm and its base is the parallelogram shown on the picture.



16. We borrow \$2000 for two years, with a simple annual interest rate of 9%. After 5 months, we make a partial payment of \$700. How much do we have to pay back at the end of the two years?
17. We borrow \$2000 for a year, with a simple annual interest rate of 9%. After 5 months, we make a partial payment of \$700. After an additional 10 months (that is, 15 months after the start), we make another partial payment of \$800. How much do we have to pay back at the end of the two years?
18. Sally is making \$1500. How much would she be making after a 6% raise?