

## FORMULAS

1. A rectangular picture frame has a perimeter of 4 ft. The width of the frame is twice times its height. Find the height of the frame.  $P = 2L + 2W$
2. You deposit \$300 in a savings account. After one year, your balance is \$348. What was your annual interest rate?  $A = P + Prt$
3. A rectangle is 2 times as long as it is wide. The perimeter of the rectangle is 80 inches. Find the width of the rectangle.
4. The Smiths plan to build a deck around a pool. The dimensions of the pool are 15ft by 10 ft and the outside dimensions of the pool and deck will be 25 ft by 20 ft. Determine the total area of deck material that they will need to purchase.
5. A train travels 105 mph for 590 miles. How long will it take to reach its destination?

6. A bus is traveling 4.5 hrs at 60 mph. What distance has the bus traveled?

7. You traveled a distance of 1600 miles in 30 hours. What was your rate of speed?