

Solving for a variable of
interest

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Airplane Travel: Use the formula **$D = RT$** , where **D is the distance traveled** at a **rate of R** for **time T**

1. Solve the equation $D = RT$ for T.
2. Determine how long it will take an airplane to travel **2000 miles, D**, if it flies **200 miles per hour, R**.

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Savings Account: Use the formula **$I = PRT$** , where **I is the simple interest** on an **investment of P** dollars at an **interest rate R** for **T years**.

1. Solve the equation $I = PRT$ for R
2. Find the interest rate R , for an investment **P , of \$1200** that earned **\$66 in interest, I** , for **2 years, T** .