

Answer on Question #81040 – Math – Algebra

Question

Describe the steps you would take to solve $I = prt$ for t .

Solution

$$I = prt$$

1) Divide both sides by p .

$$\frac{I}{p} = \frac{prt}{p}$$

2) Divide both sides by r . The variable t has been isolated.

$$\frac{I}{p} = \frac{rt}{r}$$

3) Multiply $\frac{I}{p}$ by $\frac{1}{r}$. The solution for t is given by

$$t = \frac{I}{pr}$$