

Example: Find the interest to the nearest cent. a.) 575 at 12% for 6 years  $J = prt = 75 \cdot 0.12 \cdot 6 = 854$ b.) \$2,250 abo% for 4 years  $J = prt = 2250 \cdot 0.06 \cdot 4 = 8540$ 

Example: Find the interest to the nearest cent.  
c.) 
$$53,500 \text{ at } 10\% \text{ for } 5 \text{ years}$$
  
 $J = \text{prt} = 3500 \cdot 0.10 \cdot 5 = 1750$   
d.)  $54,000 \text{ to } 4,25\% \text{ for } 1 \text{ year}$   
 $J = \text{prt} = 4000 \cdot 0.0425 \cdot 1 = 170$ 

Example: Find the interest to the nearest cent. e.) 1,800 65 for 2 years  $J = prt = 1800 \cdot 0.065 \cdot 2 = 234$ f.) 160 55 for 1.25 years  $J = prt = 100 \cdot 0.055 \cdot 1.25 = 011$ 

Example: Find the interest to the nearest cent.  
g.) \$350 at 6% for 6 months 
$$\frac{1}{12} = 0.5$$
  
 $I = prt = 350 \cdot 0.00 \cdot 0.5 = 0.00.50$   
h.) \$7,050 at 6% for 3 months  $\frac{3}{12} = 0.25$   
 $I = prt = 7050 \cdot 0.00 \cdot 0.25 = 0.05.75$ 

Example: Mr. Webster borrowed \$1280 to buy a new swimming pool. He will pay \$57.60 each month for the next 24 months Find the simple interest rate? for his loan.  $T = \rho r t$  $57.60 = 1280 \cdot r \cdot Z$  $57.60 = 2560 \cdot r$  $57.60 = 2560 \cdot r$  $57.60 = 2560 \cdot r$ 0.0225 = r0.0225 = r