

PENCIL SOLUTIONS

1. $\frac{5 \text{ sec}}{5} \rightarrow 1 \text{ mile}$

Lightening

$\frac{8 \text{ sec}}{5} \rightarrow 1.6 \text{ miles}$

2. Deposit $\$100$ 1st month
 $\times 10\%$ int. rate
 $\$10$ int
 $+100$ bal
 $\$110$ end 1st month

Monthly Savings

$+100$ deposit
 $\$210$ 2nd month

$\times 10\%$
 $\$21$ int
 $+210$ bal

$\$231$ end 2nd month

$+100$ deposit
 $\$331$ 3rd month

$\times 10\%$
 $\$33.10$ int

$+331$ bal

$\$364.10$ end 3rd month

$+100$ deposit

$\$464.10$ 4th month ... and so on