

Find the number of years in which:—

2. The interest on \$1100 at $3\frac{1}{2}\%$ will be \$115.50.
3. The interest on \$1250 at 6% will be \$187.50.
4. The interest on \$390.62 $\frac{1}{2}$ at 4% will be \$46.87 $\frac{1}{2}$.
5. The interest on \$4209 at 5% will be \$52.61 $\frac{1}{4}$.
6. The interest on \$750 at 4% will be \$20.
7. The interest on \$50 at 5% will be \$100.
8. The interest on \$840 at $2\frac{1}{4}\%$ will be \$161.70.
9. The interest on \$4212 at $4\frac{1}{6}\%$ will be \$277.87 $\frac{1}{2}$.
10. \$4900 will amount to \$5292 at 4% .
11. \$210 will amount to \$252 at $2\frac{1}{2}\%$.
12. A sum of money will double itself at 3% .
13. \$50 will amount to \$85 at 6% .
14. \$1650 will amount to \$1782 at 4% .
15. \$3745 will amount to \$3932.25 at $2\frac{1}{2}\%$.
16. \$2416 will amount to \$3050.20 at $5\frac{1}{4}\%$.
17. \$500 will amount to \$606.66 $\frac{2}{3}$ at $5\frac{1}{3}\%$.

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Principal = Interest $\div$ (Rate $\times$ Time).

(Express rate as a fraction, e.g., $5\frac{1}{2}\% = \frac{11}{20}\%$.)

1. (*Sight.*) What is the principal in following cases?

Interest \$100, rate 1% , time 1 year.

Interest \$450, rate 5% , time 2 years.

Interest \$300, rate $2\frac{1}{2}\%$, time 6 years.

Interest \$300, rate 3% , time 4 years.

Interest \$60, rate $1\frac{1}{2}\%$, time 2 years.

Interest \$270, rate 3% , time 2 years.

Find the principal which will produce:—

2. \$63 interest in $3\frac{1}{2}$ years at 4 per cent.
3. \$60.12 $\frac{1}{2}$ in 5 years at 5 per cent.
4. \$70.31 $\frac{1}{4}$ in 3 years at 6 per cent.
5. \$62.50 in 5 years at $2\frac{1}{2}$ per cent.
6. \$101.50 in $7\frac{1}{4}$ years at $3\frac{1}{2}$ per cent.