Find the rate of interest:—

2. When the interest on \$700 for 8 yrs. is \$168.
3. When the interest on \$375 for 4 yrs. is \$56.25.
4. When the interest on \$956 for $2\frac{1}{2}$ yrs. is \$119.50.
5. When the interest on \$1421 for $7\frac{1}{2}$ yrs. is \$355.25.
6. When the interest on \$1000 for $12\frac{1}{2}$ yrs. equals the principal.
7. When the interest on \$300 for 9 mos. is \$18.
8. When the interest on \$8450 for 3 mos. is \$147.87$\frac{1}{2}$.
9. When the principal doubles itself in 5 years.
10. When the interest on \$652 for 15 years is \$440.10.
11. When a sum of money is doubled in 16 years.
12. When the interest on \$1728 for 3 months is \$84.
13. When an investment in 5 years yields a sum equal to $\frac{1}{4}$ of the principal.
14. When \$490.62$\frac{1}{2}$ amounts to \$686.87$\frac{1}{2}$ in 8 yrs.
15. When \$500 amounts to \$562.50 in 4 years.
16. When \$105,700 amounts to \$116,270 in 10 years.
17. When \$213.50 amounts to \$266.87$\frac{1}{2}$ in $6\frac{1}{4}$ years.
18. When \$328.80 amounts to \$356.20 in 2 years.
19. When \$311.50 amounts to \$336.42 in 1 yr. 4 mos.

D

Time = *Interest* ÷ (*Principal* × *Rate*).

(Express rate as a fraction, *e.g.*, 5% = $\frac{5}{100}$.)

1. (*Sight.*) For how many years has the principal been earning interest in the following cases:—

\$20 interest, \$300 principal, 2% rate? 3%?
\$90 interest, \$400 principal, 3% rate? 5%?
\$48 interest, \$400 principal, 4% rate? 6%?
\$45 interest, \$450 principal, 10% rate? $2\frac{1}{2}$%?
\$60 interest, \$200 principal, $2\frac{1}{2}$% rate? $7\frac{1}{2}$%?
\$250 interest, \$5000 principal, $2\frac{1}{2}$% rate? 4%?