13. At what per cent., will $640 in 6 years give $640 interest?

14. At what per cent., will 25 cents in 8 years give 25 cents interest?

15. At what per cent., will $97 in 9 years give $97 interest?

16. At what per cent., will $372 in 25 years give $372 interest?

17. At what per cent., will $1 in 30 years give $1 interest?

18. At what per cent., will $15 in $12\frac{1}{2}$ years give $15 interest?

19. At what per cent., will $42 in $14\frac{1}{4}$ years give $42 interest?

20. At what per cent., will 5 cents in $16\frac{2}{3}$ years give 5 cents interest?

Lesson XII.

1. In what time will a given principal double itself, at 5 per cent.?

SOLUTION.—A given principal will double itself in 100 years, at 1 per cent., and, at 5 per cent., in $\frac{1}{5}$ of 100 years, which is 20 years.

2. In what time will a given principal double itself, at 4 per cent.?

3. In what time will $25, at 3 per cent., give $25 interest?

4. In what time will $275, at 6 per cent., give $275 interest?

5. It what time will a given principal double itself, at 2 per cent.?

6. In what time will $4, at 7 per cent, give $4 interest?

7. In what time will $94, at 9 per cent., give $94 interest?