

1. A company charges \$42.80 for insuring a house for \$6420. What is the rate of insurance?
2. An agent received \$48.40 for insuring a house at  $\frac{1}{2}\%$  a year for 5 years. What was the valuation of the house?
3. An agent takes a risk of \$8000 at a premium of  $1\frac{1}{2}\%$ , and reinsures it at  $1\frac{1}{4}\%$ . What does he gain?
4. A cargo from Liverpool is insured for £2460 10s. at a premium of 2%. What is the premium, the pound sterling being valued at \$4.90?
5. A merchant pays \$40 for insuring his goods for  $\frac{1}{4}$  of their value. If the rate of insurance is 2%, what is the value of the goods?
6. A store costing \$8400 is insured for  $\frac{1}{3}$  of its value at  $\frac{1}{4}\%$  premium. What is the owner's real loss if the store be totally consumed by fire?
7. A ship valued at \$48,000 was insured for  $\frac{1}{4}$  of its value at  $2\frac{1}{2}\%$  a year. If the ship is lost after 20 years of insurance, what is the total loss to the owners, not counting interest?
8. A picture is insured for \$1020.41, which covers its cost, \$1000, and the premium, \$20.41. What is the rate of insurance?
9. For how much must property worth \$980 be insured at 2% to cover the value of the property and the premium?
10. What amount of insurance must be taken to cover property worth \$2400 and premium of 4%?
11. A merchant shipped a cargo of wheat from New Orleans to Liverpool, and to cover both value of wheat and premium took out a policy for \$24,600 at  $2\frac{1}{2}\%$ . What was the value of the wheat?
12. A man 45 years of age is insured for \$5000 on the ten year endowment plan at \$66.50 per \$1000. How much more will he receive at the end of ten years than the sum of all the premiums he has paid?
13. A man 40 years of age took out a life policy for \$5000 at the rate of \$28.60 per \$1000. He died at the age of 75. How much more or less than the sum of the annual premiums did his widow receive?