

## Worksheet: Proportional Reasoning II

Maharashtra State Board · Class 8 · Mathematics · 5 questions · 13 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 13

**Q1.** Find amount of ₹5,000 at 10% per annum compounded annually for 2 years. *[1 mark]*

**Q2.** Convert 90 km/h to m/s. *[1 mark]*

**Q3.** Find CI on ₹8,000 at 10% per annum compounded half-yearly for 1.5 years. *[3 marks]*

**Q4.** A can do a job in 20 days, B in 30 days. How long together? *[3 marks]*

**Q5.** ₹12,000 is deposited at 8% per annum compounded annually. (a) Find the amount after 3 years. (b) After how many years (whole number) will the amount first exceed ₹20,000? *[5 marks]*