



OVIDYA BHAWAN, BALIKA VIDYAPITH

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(Affiliated to CBSE up to +2 Level)

CLASS: VIII

SUB.: MATHS (NCERT BASED)

DATE: 03-09-2020

EXERCISE 8.3

1. Calculate the amount and compound interest on
 - (a) ₹ 10,800 for 3 years at $12\frac{1}{2}\%$ per annum compounded annually.
 - (b) ₹ 18,000 for $2\frac{1}{2}$ years at 10% per annum compounded annually.
 - (c) ₹ 62,500 for $1\frac{1}{2}$ years at 8% per annum compounded half yearly.
 - (d) ₹ 8,000 for 1 year at 9% per annum compounded half yearly.
(You could use the year by year calculation using SI formula to verify).
 - (e) ₹ 10,000 for 1 year at 8% per annum compounded half yearly.
2. Kamala borrowed ₹ 26,400 from a Bank to buy a scooter at a rate of 15% p.a. compounded yearly. What amount will she pay at the end of 2 years and 4 months to clear the loan?
(**Hint:** Find A for 2 years with interest is compounded yearly and then find SI on the 2nd year amount for $\frac{4}{12}$ years).