EduSahara™ Learning Center Assignment

Grade : Class VIII, SSC
Chapter : Comparing Quantities using Proportion
Name : Compound Interest Computed Half-yearly
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1. If principal is ₹14000.00, ROI is 3.00% p.a., no of year(s) is 4 and interest type is simple interest computed half yearly, then interest is

   (i) ₹1682.00 (ii) ₹1678.00 (iii) ₹1680.00

   (iv) ₹1679.00 (v) ₹1681.00

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2. If principal is ₹6000.00, ROI is 7.00% p.a., no of year(s) is 4 and interest type is simple interest computed half yearly, then amount is

   (i) ₹7682.00 (ii) ₹7678.00 (iii) ₹7679.00

   (iv) ₹7681.00 (v) ₹7680.00

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3. If principal is ₹15000.00, ROI is 10.00% p.a., no of year(s) is 5 and interest type is compound interest computed half yearly, then interest is

   (i) ₹9434.42 (ii) ₹9432.42 (iii) ₹9433.42

   (iv) ₹9431.42 (v) ₹9435.42

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4. If principal is ₹12000.00, ROI is 3.00% p.a., no of year(s) is 2 and interest type is compound interest computed half yearly, then amount is

   (i) ₹12738.36 (ii) ₹12736.36 (iii) ₹12735.36

   (iv) ₹12737.36 (v) ₹12734.36

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5. If the simple interest on a certain principal is ₹1000.00 for 2 year(s) at ROI 10.00% p.a. computed half yearly, then the compound interest for the same principal, terms and ROI =

   (i) ₹1075.53 (ii) ₹1079.53 (iii) ₹1078.53

   (iv) ₹1077.53 (v) ₹1076.53

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6. Calculate the amount on ₹8000.00 for 5 years 3 months
   at 6.00% p.a. compounded half yearly

(i) ₹10910.60 (ii) ₹10913.60 (iii) ₹10914.60

(iv) ₹10911.60 (v) ₹10912.60

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7. Calculate the amount on ₹16000.00 for $4\frac{1}{2}$ years at 3.00% p.a. compounded half yearly

(i) ₹18296.24 (ii) ₹18292.24 (iii) ₹18293.24

(iv) ₹18294.24 (v) ₹18295.24

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8. If P = Principal, n = no of terms, R = rate of interest, formula for amount at compound interest is

(i) $P[1+\frac{100}{PR}]^{n}$ (ii) $P[1-\frac{R}{100}]^{n}$ (iii) $P[1+\frac{PR}{100}]^{n}$

(iv) $P[1+\frac{100}{P}]^{n}$ (v) $P[1+\frac{R}{100}]^{n}$

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9. If ROI is 2.00% p.a., no of year(s) is 3 and accumulated compound interest is ₹984.32 computed half yearly, then principal is

(i) ₹15999.00 (ii) ₹15998.00 (iii) ₹16001.00

(iv) ₹16002.00 (v) ₹16000.00

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10. If ROI is 3.00% p.a., no of year(s) is 5 and accumulated compound interest is ₹1765.95 computed half yearly, then amount is

(i) ₹12766.95 (ii) ₹12765.95 (iii) ₹12763.95

(iv) ₹12764.95 (v) ₹12767.95

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11. If principal is ₹11000.00, no of year(s) is 5 and accumulated compound interest computed half yearly is ₹1150.84, then ROI per annum is

(i) 0.00% (ii) 2.00% (iii) 1.00% (iv) 3.00% (v) 4.00%

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12. If principal is ₹9000.00, no of year(s) is 4 and accumulated compound interest computed half yearly is ₹2851.28, then amount is

(i) ₹11849.28 (ii) ₹11851.28 (iii) ₹11852.28

(iv) ₹11853.28 (v) ₹11850.28

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13. If the difference of compound and simple interest on a certain principal is ₹929.47 for ROI 10.00% p.a. and no of year(s) 4 computed half yearly, then the principal =

(i) ₹11999.00 (ii) ₹12001.00 (iii) ₹11998.00

(iv) ₹12000.00 (v) ₹12002.00

Assignment Key

1) (iii)
2) (v)
3) (iii)
4) (ii)
5) (iv)
6) (v)
7) (iv)
8) (v)
9) (v)
10) (ii)
11) (ii)
12) (ii)
13) (iv)