EduSahara™ Learning Center Assignment

Grade : Class VIII, CBSE
Chapter : Comparing Quantities
Name : Compound Interest Computed Anually
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1. If principal is ₹7000.00, ROI is 2.00% p.a., no of year(s) is 5 and interest type is simple interest computed annually, then interest is

   (i) ₹701.00 (ii) ₹699.00 (iii) ₹698.00

   (iv) ₹700.00 (v) ₹702.00

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2. If principal is ₹9000.00, ROI is 3.00% p.a., no of year(s) is 3 and interest type is compound interest computed annually, then interest is

   (i) ₹835.54 (ii) ₹836.54 (iii) ₹833.54

   (iv) ₹834.54 (v) ₹832.54

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3. If principal is ₹9000.00, ROI is 4.00% p.a., no of year(s) is 4 and interest type is compound interest computed annually, then amount is

   (i) ₹10528.73 (ii) ₹10527.73 (iii) ₹10526.73

   (iv) ₹10530.73 (v) ₹10529.73

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4. If ROI is 7.00% p.a., no of year(s) is 3 and accumulated compound interest is ₹1350.26 computed annually, then principal is

   (i) ₹6002.00 (ii) ₹6000.00 (iii) ₹6001.00

   (iv) ₹5998.00 (v) ₹5999.00

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5. If ROI is 2.00% p.a., no of year(s) is 2 and accumulated compound interest is ₹444.40 computed annually, then amount is

   (i) ₹11444.40 (ii) ₹11442.40 (iii) ₹11443.40

   (iv) ₹11446.40 (v) ₹11445.40

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6. If principal is ₹16000.00, no of year(s) is 4 and accumulated compound interest computed annually is ₹4972.74, then ROI per annum is

   (i) 9.00% (ii) 5.00% (iii) 6.00% (iv) 7.00% (v) 8.00%

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7. If principal is ₹17000.00, no of year(s) is 4 and accumulated compound interest computed annually is ₹6128.31, then amount is

(i) ₹23128.31 (ii) ₹23127.31 (iii) ₹23126.31

(iv) ₹23129.31 (v) ₹23130.31

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8. If principal is ₹8000.00, ROI is 6.00% p.a. and accumulated compound interest computed annually is ₹1528.13, then no of years is

(i) 1 (ii) 3 (iii) 2 (iv) 4 (v) 5

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9. If principal is ₹16000.00, ROI is 10.00% p.a. and accumulated compound interest computed annually is ₹9768.16, then amount is

(i) ₹25770.16 (ii) ₹25766.16 (iii) ₹25767.16

(iv) ₹25769.16 (v) ₹25768.16

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10. If principal is ₹11000.00 and compound interest amount is ₹16105.10 for 4 year(s) computed annually, then ROI per annum is

(i) 12.00% (ii) 11.00% (iii) 9.00% (iv) 8.00% (v) 10.00%

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11. If the compound interest amount for a certain principal is ₹19600.69 for 3 year(s) at an ROI of 7.00% p.a. computed annually, then principal is

(i) ₹15998.00 (ii) ₹16002.00 (iii) ₹15999.00

(iv) ₹16000.00 (v) ₹16001.00

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12. If the compound interest amount for a certain principal is ₹14631.61 for 4 year(s) at an ROI of 3.00% p.a. computed annually, then interest is

(i) ₹1633.61 (ii) ₹1629.61 (iii) ₹1632.61

(iv) ₹1630.61 (v) ₹1631.61

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13. If the simple interest on a certain principal is ₹3200.00 for 4 year(s) at ROI 10.00% p.a. computed annually, then the compound interest for the same principal, terms and ROI =

(i) ₹3713.80 (ii) ₹3710.80 (iii) ₹3711.80

(iv) ₹3712.80 (v) ₹3714.80

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14. If the compound interest on a certain principal is ₹2662.40 for 2 year(s) at ROI 8.00% p.a. computed annually, then the simple interest for the same principal, terms and ROI =

(i) ₹2560.00 (ii) ₹2559.00 (iii) ₹2558.00

(iv) ₹2562.00 (v) ₹2561.00

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15. Calculate the amount on ₹14000.00 for 3 years 9 months

at 7.00% p.a. compounded annually

(i) ₹18050.01 (ii) ₹18052.01 (iii) ₹18053.01

(iv) ₹18049.01 (v) ₹18051.01

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16. Calculate the amount on ₹20000.00 for $3\frac{1}{4}$ years

at 2.00% p.a. compounded annually

(i) ₹21330.28 (ii) ₹21329.28 (iii) ₹21331.28

(iv) ₹21328.28 (v) ₹21332.28

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17. A man borrows a ₹12000.00 at 9.00% p.a. compounded annually. If he repays ₹6540.00 at the end of year 1 ,₹3564.30 at the end of year 2 , how much loan is outstanding against him at the beginning of the year 3.

(i) ₹3566.30 (ii) ₹3563.30 (iii) ₹3564.30

(iv) ₹3562.30 (v) ₹3565.30

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18. Find simple interest, if P = principal, T = time, R = rate percent per annum

(i) $\dfrac{100}{PTR}$ (ii) $\dfrac{PTR}{100}$ (iii) $\dfrac{P + T + R}{100}$ (iv) $\dfrac{PT}{100 + R}$

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19. Given SI = simple interest, P = principal, T = time, R = rate percent per annum, find simple interest

(i) $\dfrac{PTR}{100}$ (ii) $\dfrac{100 \times SI}{P \times R}$ (iii) $\dfrac{100 \times SI}{R \times T}$ (iv) $\dfrac{100 \times SI}{P \times T}$

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

(i) $P \left[1 + \dfrac{R}{100} \right]^{n}$ (ii) $P \left[1 + \dfrac{100}{P} \right]^{n}$ (iii) $P \left[1 + \dfrac{100}{PR} \right]^{n}$

(iv) $P \left[1 + \dfrac{PR}{100} \right]^{n}$ (v) $P \left[1 - \dfrac{R}{100} \right]^{n}$

Assignment Key

1) (iv)
2) (iv)
3) (i)
4) (ii)
5) (i)
6) (iv)
7) (i)
8) (ii)
9) (v)
10) (v)
11) (iv)
12) (v)
13) (iv)
14) (i)
15) (v)
16) (i)
17) (iii)
18) (ii)
19) (i)
20) (i)