EduSahara™ Learning Center Assignment

Grade　　　: Class VIII, SSC
Chapter　　: Comparing Quantities using Proportion
Name　　　: Compound Interest Computed Anually
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1. If principal is ₹20000.00, ROI is 4.00% p.a., no of year(s) is 5 and interest type is simple interest computed annually, then interest is

   (i)　₹4001.00 (ii) ₹4000.00 (iii) ₹4002.00

   (iv) ₹3999.00 (v) ₹3998.00

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2. If principal is ₹14000.00, ROI is 9.00% p.a., no of year(s) is 3 and interest type is simple interest computed annually, then amount is

   (i)　₹17781.00 (ii) ₹17782.00 (iii) ₹17779.00

   (iv) ₹17780.00 (v) ₹17778.00

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3. If principal is ₹9000.00, ROI is 9.00% p.a., no of year(s) is 3 and interest type is compound interest computed annually, then interest is

   (i)　₹2657.26 (ii) ₹2654.26 (iii) ₹2656.26

   (iv) ₹2655.26 (v) ₹2653.26

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4. If principal is ₹19000.00, ROI is 8.00% p.a., no of year(s) is 5 and interest type is compound interest computed annually, then amount is

   (i)　₹27916.23 (ii) ₹27918.23 (iii) ₹27915.23

   (iv) ₹27917.23 (v) ₹27919.23

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5. If principal is ₹20000.00, no of year(s) is 2 and accumulated simple interest computed annually is ₹3600.00, then ROI per annum is

   (i) 10.00% (ii) 11.00% (iii) 9.00% (iv) 7.00% (v) 8.00%

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6. If principal is ₹13000.00, no of year(s) is 5 and accumulated compound interest computed annually is ₹2816.49, then ROI per annum is

   (i) 5.00% (ii) 6.00% (iii) 4.00% (iv) 2.00% (v) 3.00%

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7. If the simple interest on a certain principal is ₹750.00 for 5 year(s) at ROI 3.00% p.a. computed annually, then the compound interest for the same principal, terms and ROI =

(i) ₹795.37 (ii) ₹798.37 (iii) ₹797.37

(iv) ₹796.37 (v) ₹794.37

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8. Calculate the amount on ₹5000.00 for 5 years 5 months

at 9.00% p.a. compounded annually

(i) ₹7982.61 (ii) ₹7980.61 (iii) ₹7983.61

(iv) ₹7979.61 (v) ₹7981.61

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9. Calculate the amount on ₹19000.00 for $4\frac{1}{6}$ years

at 4.00% p.a. compounded annually

(i) ₹22376.49 (ii) ₹22374.49 (iii) ₹22377.49

(iv) ₹22373.49 (v) ₹22375.49

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

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

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

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

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

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

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

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

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

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

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

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

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

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16. If ROI is 9.00% p.a., no of year(s) is 5 and accumulated simple interest is ₹7200.00 computed annually, then principal is

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

(iv) ₹16000.00 (v) ₹16001.00

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17. If ROI is 10.00% p.a., no of year(s) is 2 and accumulated simple interest is ₹1800.00 computed annually, then amount is

(i) ₹10802.00 (ii) ₹10798.00 (iii) ₹10799.00

(iv) ₹10800.00 (v) ₹10801.00

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18. If ROI is 5.00% p.a., no of year(s) is 2 and accumulated compound interest is ₹922.50 computed annually, then principal is

(i) ₹8999.00 (ii) ₹8998.00 (iii) ₹9001.00

(iv) ₹9000.00 (v) ₹9002.00

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19. If ROI is 7.00% p.a., no of year(s) is 4 and accumulated compound interest is ₹2175.57 computed annually, then amount is

(i) ₹9176.57 (ii) ₹9177.57 (iii) ₹9174.57

(iv) ₹9175.57 (v) ₹9173.57

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20. If principal is ₹13000.00, no of year(s) is 3 and accumulated compound interest computed annually is ₹4303.00, then amount is

(i) ₹17301.00 (ii) ₹17303.00 (iii) ₹17305.00

(iv) ₹17302.00 (v) ₹17304.00

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21. If the compound interest amount for a certain principal is ₹19468.80 for 2 year(s) at an ROI of 4.00% p.a. computed annually, then principal is

(i) ₹18002.00 (ii) ₹18001.00 (iii) ₹17999.00

(iv) ₹18000.00 (v) ₹17998.00

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22. If the compound interest amount for a certain principal is ₹10077.70 for 3 year(s) at an ROI of 8.00% p.a. computed annually, then interest is

(i) ₹2077.70 (ii) ₹2075.70 (iii) ₹2079.70

(iv) ₹2078.70 (v) ₹2076.70

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23. If the difference of compound and simple interest on a certain principal is ₹16.91 for ROI 2.00% p.a. and no of year(s) 3 computed annually, then the principal =

(i) ₹14001.00 (ii) ₹13998.00 (iii) ₹14000.00

(iv) ₹14002.00 (v) ₹13999.00

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24. A man borrows a ₹15000.00 at 8.00% p.a. compounded annually. If he repays ₹8100.00 at the end of year 1 ,₹4374.00 at the end of year 2 , how much loan is outstanding against him at the beginning of the year 3.

(i) ₹4372.00 (ii) ₹4376.00 (iii) ₹4373.00

(iv) ₹4375.00 (v) ₹4374.00

Assignment Key

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