EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Compound Interest

Grade : ICSE Grade VIII

1. If principal is ₹10000.00 and compound interest amount is ₹13107.96 for 4 year(s) computed annually, then interest is

   (i) ₹3105.96 (ii) ₹3109.96 (iii) ₹3106.96 (iv) ₹3108.96 (v) ₹3107.96

2. If principal is ₹18000.00 and compound interest amount is ₹23594.33 for 4 year(s) computed annually, then ROI per annum is

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

3. If principal is ₹11000.00 and compound interest amount is ₹11669.90 for 2 year(s) computed annually, then interest is

   (i) ₹669.90 (ii) ₹667.90 (iii) ₹670.90 (iv) ₹668.90 (v) ₹671.90

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

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

5. If principal is ₹17000.00, no of year(s) is 5 and accumulated compound interest computed annually is ₹3683.10, then ROI per annum is

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

6. If principal is ₹6000.00 and compound interest amount is ₹8415.31 for 5 year(s) computed annually, then ROI per annum is

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

7. If principal is ₹5000.00, ROI is 2.00% p.a. and accumulated compound interest computed annually is ₹202.00, then no of years is

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

8. If principal is ₹13000.00, no of year(s) is 5 and accumulated compound interest computed annually is ₹1353.05, then amount is

   (i) ₹14352.05 (ii) ₹14353.05 (iii) ₹14351.05 (iv) ₹14355.05 (v) ₹14354.05

9. If ROI is 6.00% p.a., no of year(s) is 2 and accumulated compound interest is ₹2348.40 computed annually, then amount is

   (i) ₹21350.40 (ii) ₹21349.40 (iii) ₹21346.40 (iv) ₹21348.40 (v) ₹21347.40

10. If principal is ₹9000.00, no of year(s) is 3 and accumulated compound interest computed annually is ₹2655.26, then ROI per annum is

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

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

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

12. If principal is ₹11000.00, ROI is 8.00% p.a., no of year(s) is 2 and interest type is compound interest computed annually, then amount is

(i) ₹12830.40 (ii) ₹12828.40 (iii) ₹12829.40 (iv) ₹12831.40 (v) ₹12832.40

13. If principal is ₹15000.00, ROI is 2.00% p.a. and accumulated compound interest computed annually is ₹1236.48, then amount is

(i) ₹16238.48 (ii) ₹16236.48 (iii) ₹16234.48 (iv) ₹16237.48 (v) ₹16235.48

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

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

15. If ROI is 2.00% p.a., no of year(s) is 2 and accumulated compound interest is ₹646.40 computed annually, then principal is

(i) ₹15998.00 (ii) ₹16001.00 (iii) ₹15999.00 (iv) ₹16002.00 (v) ₹16000.00

16. If principal is ₹12000.00, ROI is 5.00% p.a. and accumulated compound interest computed annually is ₹3315.38, then no of years is

(i) 7 (ii) 4 (iii) 5 (iv) 6 (v) 3

17. If principal is ₹19000.00, ROI is 2.00% p.a., no of year(s) is 5 and interest type is compound interest computed annually, then interest is

(i) ₹1977.54 (ii) ₹1978.54 (iii) ₹1976.54 (iv) ₹1979.54 (v) ₹1975.54

18. If principal is ₹20000.00 and compound interest amount is ₹27209.78 for 4 year(s) computed annually, then interest is

(i) ₹7211.78 (ii) ₹7209.78 (iii) ₹7208.78 (iv) ₹7210.78 (v) ₹7207.78

19. If principal is ₹15000.00, ROI is 9.00% p.a., no of year(s) is 4 and interest type is compound interest computed annually, then amount is

(i) ₹21171.72 (ii) ₹21174.72 (iii) ₹21172.72 (iv) ₹21175.72 (v) ₹21173.72

20. If principal is ₹13000.00, ROI is 3.00% p.a., no of year(s) is 4 and interest type is compound interest computed annually, then interest is

(i) ₹1630.61 (ii) ₹1633.61 (iii) ₹1631.61 (iv) ₹1629.61 (v) ₹1632.61

21. If ROI is 8.00% p.a., no of year(s) is 4 and accumulated compound interest is ₹4686.36 computed annually, then amount is

(i) ₹17688.36 (ii) ₹17685.36 (iii) ₹17687.36 (iv) ₹17684.36 (v) ₹17686.36

22. If principal is ₹15000.00, ROI is 2.00% p.a., no of year(s) is 3 and interest type is compound interest computed annually, then amount is

(i) ₹15916.12 (ii) ₹15918.12 (iii) ₹15917.12 (iv) ₹15919.12 (v) ₹15920.12

23. If ROI is 5.00% p.a., no of year(s) is 3 and accumulated compound interest is ₹1576.25 computed annually, then principal is

(i) ₹10002.00 (ii) ₹9999.00 (iii) ₹9998.00 (iv) ₹10001.00 (v) ₹10000.00

24. If principal is ₹11000.00, ROI is 2.00% p.a. and accumulated compound interest computed annually is ₹673.29, then amount is

(i) ₹11674.29 (ii) ₹11673.29 (iii) ₹11672.29 (iv) ₹11671.29 (v) ₹11675.29

25. If principal is ₹7000.00, no of year(s) is 3 and accumulated compound interest computed annually is ₹428.46, then amount is

(i) ₹7426.46 (ii) ₹7429.46 (iii) ₹7428.46 (iv) ₹7427.46 (v) ₹7430.46

Assignment Key

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