Name of the Bundle	Advanced Bundle V2	Subject	Aptitude
Topic	Difference b/w SI and CI	Last updated on	13 February 2025

1. Find the difference between the compound interest and the simple interest for the sum of Rs.625 at 8% per annum for 2 years.
   a. Rs.3
   b. Rs. 4
   c. Rs.4.5
   d. Rs.1.5

Ans: b. Rs. 4
Explanation:
Method I:

P= 625, r = 8% p.a., t = 2 years

$D / P = (r / 100)^2$

$D = (r / 100)^2 \times P$

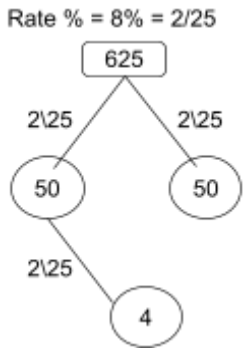
$D = (8 / 100)^2 \times 625$

$= (64 / 10000) \times 625$

$=64 \times 0.0625$

D = Rs. 4

Method II:



Name of the Bundle	Advanced Bundle V2	Subject	Aptitude
Topic	Difference b/w SI and CI	Last updated on	13 February 2025

2. What is the difference between simple interest and compound interest earned on Rs.5000 at a rate of 10% p.a. in 2 years?
   a. Rs. 30
   b. Rs. 45
   c. Rs. 55
   d. Rs. 50

Ans: d. Rs. 50
Explanation:
Method I:

P=5000, r = 10% p.a., t = 2 years

$D / P = (r / 100)^2$

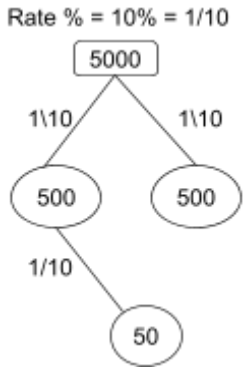
$D = (r / 100)^2 \times P$

$D = (10 / 100)^2 \times 5000$

$= (1 / 100) \times 5000$

D = Rs. 50

Method II:



Name of the Bundle	Advanced Bundle V2	Subject	Aptitude
Topic	Difference b/w SI and CI	Last updated on	13 February 2025

3. Find the difference between the compound interest and the simple interest for the sum of Rs.2500 at 6% per annum for 2 years.
   a. Rs.9
   b. Rs.8
   c. Rs.7.5
   d. Rs.6

Ans: a. Rs. 9
Explanation:
Method I:

P= 2500, r = 6% p.a., t = 2 years

$D / P = (r / 100)^2$

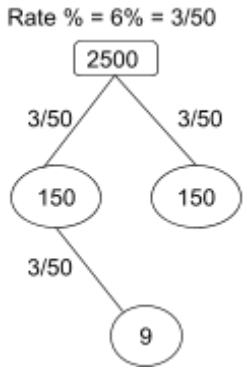
$D = (r / 100)^2 \times P$

$D = (6 / 100)^2 \times 2500$

$= (36 / 10000) \times 2500$

D = Rs. 9

Method II:



Name of the Bundle	Advanced Bundle V2	Subject	Aptitude
Topic	Difference b/w SI and CI	Last updated on	13 February 2025

4. Find the difference between the simple and compound interest on Rs.10000 for 3 years at 3 % p.a.
   a. Rs.27.8
   b. Rs.27.27
   c. Rs.37.7
   d. Rs.37.8

Ans: b. Rs. 27.27
Explanation:
Method I:

P= 10000, r = 3% p.a., t = 3 years

$D / P = (r / 100)^2 (300+r / 100)$

$D = (r / 100)^2 (300+r / 100) X P$

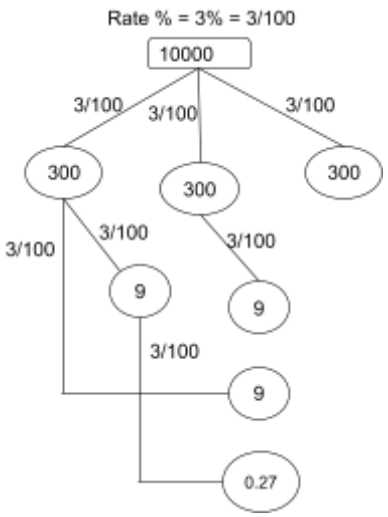
$D = (3 / 100)^2 (300+3 / 100) X 10000$

$= (9 / 10000) (303 / 100) X 10000$

$=9 X 3.03$

D = Rs. 27.27

Method II:



Name of the Bundle	Advanced Bundle V2	Subject	Aptitude
Topic	Difference b/w SI and CI	Last updated on	13 February 2025

5. Find the difference between the simple and compound interest on Rs.8000 for 3 years at 5% p.a.
   a. Rs.61
   b. Rs.60
   c. Rs.51
   d. Rs.59

Ans: a. Rs. 61
Explanation:
Method I:

P= 8000, r = 5% p.a., t = 3 years

D / P = (r / 100)2 (300+r / 100)

D = (r / 100)2 (300+r / 100) X P

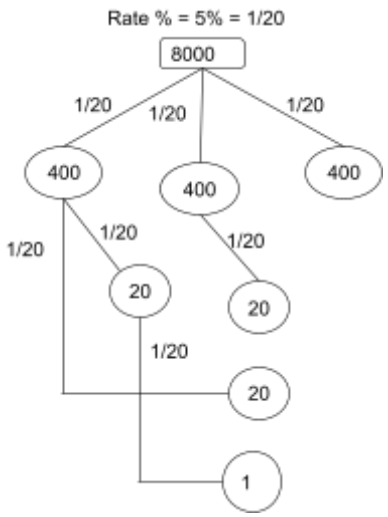
D = (5 / 100)2 (300+5 / 100) X 8000

= (25 / 10000) (305 / 100) X 8000

= 20 X 3.05

D = Rs. 61

Method II:



Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

6. The difference between the compound interest and the simple interest on a certain sum of money at 4% per annum for 2 years is Rs.1.40. Find the sum.
   a. Rs.875
   b. Rs.857
   c. Rs.787
   d. Rs.925

Ans: a. Rs. 875
Explanation:
Method I:

D= 1.40, r = 4% p.a., t = 2 years

$D / P = (r / 100)^2$

$P = D / (r / 100)^2$

$P = 1.40 / (4 / 100)^2$

$= 1.40 / (16 / 10000)$

$= 1.40 \times 10000 / 16$

D = Rs. 875

Method II:

Rate % = 4%= 1/25

$P = D \times R^2 = 1.40 \times 25 \times 25 = Rs. 875.$

Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

7. If the difference between the compound interest and simple interest on a sum of 5% p.a. for 2 years is Rs.20, then what is the sum?
   a. Rs.8500
   b. Rs.9000
   c. Rs.9500
   d. Rs.8000

Ans: d. Rs. 8000
Explanation:
Method I:

D= 20, r = 5% p.a., t = 2 years

$D / P = (r / 100)^2$

$P = D / (r / 100)^2$

$P = 20 / (5 / 100)^2$

$= 20 / (25 / 10000)$

$= 20 X 10000 / 25$

D = Rs. 8000

Method II:

Rate % = 5%= 1/20

$P = D X R^2 = 20 X 20 X 20 = Rs. 8000.$

Name of the Bundle	Advanced Bundle V2	Subject	Aptitude
Topic	Difference b/w SI and CI	Last updated on	13 February 2025

8. The difference between the compound interest and the simple interest on a certain sum of money at 10% per annum for 2 years is 2.50. Find the sum.
   a. Rs.350
   b. Rs.275
   c. Rs.250
   d. Rs.325

Ans: c. Rs. 250
Explanation:
Method I:

D= 2.50, r = 10% p.a., t = 2 years

$D / P = (r / 100)^2$

$P = D / (r / 100)^2$

$P = 2.50 / (10 / 100)^2$

$= 2.50 / (1 / 100)$

$= 2.50 \times 100$

D = Rs. 250

Method II:

Rate % = 10%= 1/10

$P = D \times R^2 = 2.50 \times 10 \times 10 = Rs. 250.$

Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

9. The difference between the simple and compound interest on a certain sum of money at 5% rate of interest p.a for 2 years is Rs. 15. Then the sum is:
    a. Rs. 6,500
    b. Rs. 5,500
    c. Rs. 6,000
    d. Rs. 7,000

Ans: c. Rs. 6000
Explanation:
Method I:

D= 15, r = 5% p.a., t = 2 years

$D / P = (r / 100)^2$

$P = D / (r / 100)^2$

$P = 15 / (5 / 100)^2$

$= 15 / (25 / 10000)$

$= 15 X 400$

D = Rs. 6000

Method II:

Rate % = 5%= 1/20

$P = D X R^2 = 15 X 20 X 20 = Rs.6000.$

Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

10. The difference between simple and compound interest on a sum of money for 2 years at 10% per annum is Rs. 65. The sum is:
    a. Rs. 65650
    b. Rs. 65065
    c. Rs. 6565
    d. Rs. 6500

Ans: d. Rs. 6500
Explanation:
Method I:

D= 65, r = 10% p.a., t = 2 years

$D / P = (r / 100)^2$

$P = D / (r / 100)^2$

$P = 65 / (10 / 100)^2$

$= 65 / (1 / 100)$

$= 65 X 100$

D = Rs. 6500

Method II:

Rate % = 10%= 1/10

$P = D X R^2 = 65 X 10 X 10 = Rs.6500.$

Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

11. If the difference between the simple and compound interests on a sum of money for 2 years at 4 % per annum is Rs. 80, the sum is :
    a. Rs. 5000
    b. Rs. 50000
    c. Rs. 10000
    d. Rs. 1000

Ans: b. Rs. 50000
Explanation:
Method I:

D= 80, r = 4% p.a., t = 2 years

$D / P = (r / 100)^2$

$P = D / (r / 100)^2$

$P = 80 / (4 / 100)^2$

$=80 / (16 / 10000)$

$= 5 X 10000$

D = Rs. 50000

Method II:

Rate % = 4%= 1/25

$P = D X R^2 = 80 X 25X 25 = Rs.50000.$

Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

12. The difference between compound interest and simple interest of a sum for 2 years at 8% is Rs. 768. The sum is:
    a. Rs. 1,00,000
    b. Rs. 1,10,000
    c. Rs. 1,20,000
    d. Rs. 1,70,000

Ans: c. Rs. 1,20,000
Explanation:
Method I:

D= 768, r = 8% p.a., t = 2 years

$D / P = (r / 100)^2$

$P = D / (r / 100)^2$

$P = 768 / (8/ 100)^2$

$=768 / (64 / 10000)$

$= 12 X 10000$

D = Rs. 1,20,000

Method II:

Rate % = 8%= 2/25

$P = D X R^2 = 768 X 25/2X 25/2 = Rs.1,20,000.$

Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

13. If the difference between S.I. and C.I. for 2 years on a sum of money lent at 5% is Rs. 6, then the sum is :
    a. Rs. 2200
    b. Rs. 2400
    c. Rs. 2600
    d. Rs. 2000

Ans: b. Rs. 2400
Explanation:
Method I:

D= 6, r = 5% p.a., t = 2 years

$D / P = (r / 100)^2$

$P = D / (r / 100)^2$

$P = 6 / (5/ 100)^2$

$=6 / (25 / 10000)$

$= 6 X 400$

D = Rs. 2400

Method II:

Rate % = 5%= 1/20

$P = D X R^2 = 6 X 20 X 20 =$ Rs.2400.

Name of the Bundle	Advanced Bundle V2	Subject	Aptitude
Topic	Difference b/w SI and CI	Last updated on	13 February 2025

14. The difference between the SI and CI for a certain sum of money for three years at 10% per annum is Rs.248.Find out the principal amount.
    a. Rs.8500
    b. Rs.9000
    c. Rs.9500
    d. Rs.8000

Ans: d. Rs. 8000
Explanation:
Method I:

D = 248, r = 10% p.a., t = 3 years

$D / P = (r / 100)^2 (300+r / 100)$

$P = D / (r / 100)^2 (300+r / 100)$

$P = 248 / (10 / 100)^2 (300+10 / 100)$

$= 248 / (1 / 100) (310 / 100)$

$= 248 \times 1000 / 31$

D = Rs. 8000

Method II:

Rate % = 10%= 1/10

D = 248 = 80+80+80+8,Let's take D =80

$P = D \times R^2 = 80 \times 10 \times 10 = Rs.8000.$

Name of the Bundle	Advanced Bundle V2	Subject	Aptitude
Topic	Difference b/w SI and CI	Last updated on	13 February 2025

15. On what sum will the difference between the simple and compound interests for 3 years at 5% p.a amount to 12.20?
    a. Rs.1600
    b. Rs.800
    c. Rs.1200
    d. Rs.1500

Ans: a. Rs. 1600
Explanation:
Method I:

D = 12.20, r = 5% p.a., t = 3 years

$D / P = (r / 100)^2 (300+r / 100)$

$P = D / (r / 100)^2 (300+r / 100)$

$P = 12.20 / (5 / 100)^2 (300+5 / 100)$

$= 12.20 / (25 / 10000) (305 / 100)$

$= 1220 \text{ X } 400 / 305$

D = Rs. 1600

Method II:

Rate % = 5%= 1/20

D = 12.20 = 4+4+4+0.20,Let's take D =4

$P = D \text{ X } R^2 = 4 \text{ X } 20 \text{ X } 20 = Rs.1600.$

Name of the Bundle	Advanced Bundle V2	Subject	Aptitude
Topic	Difference b/w SI and CI	Last updated on	13 February 2025

16. On what sum will the difference between the simple and compound interests for 3 years at 4% p.a amount to 3.04?
    a. Rs.1250
    b. Rs.625
    c. Rs.650
    d. Rs.675

Ans: b. Rs. 625
Explanation:
Method I:

D = 3.04, r = 4% p.a., t = 3 years

$D / P = (r / 100)^2 (300+r / 100)$

$P = D / (r / 100)^2 (300+r / 100)$

$P = 3.04 / (4 / 100)^2 (300+4 / 100)$

$= 3.04 / (16 / 10000) (304 / 100)$

$= 304 \times 10000 / 304 \times 16$

D = Rs. 625

Method II:

Rate % = 4%= 1/25

D = 3.04 = 1+1+1+0.04,Let's take D =1

$P = D \times R^2 = 1 \times 25 \times 25 = Rs.625.$

Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

17. If the difference between compound interest and simple interest on a sum at 5% rate of interest per annum for three years, Rs. 36.60, then the sum is:
    a. Rs. 8000
    b. Rs. 4400
    c. Rs. 8400
    d. Rs. 4800

Ans: d. Rs. 4800
Explanation:
Method I:

D = 36.60, r =5% p.a., t = 3 years

$D / P = (r / 100)^2 (300+r / 100)$

$P = D / (r / 100)^2 (300+r / 100)$

$P = 36.60 / (5 / 100)^2 (300+5 / 100)$

$= 36.60 / (25 / 10000) (305 / 100)$

$= 36.60 \text{ X } 40000 / 305$

D = Rs. 4800

Method II:

Rate % = 5%= 1/20

D = 36.60 = 12+12+12+0.60,Let's take D =12

$P = D \text{ X } R^2 = 12 \text{ X } 20 \text{ X } 20 = \text{Rs.}4800.$

Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

18. If the difference between the compound and the simple interests on a certain sum of money for 3 years at 5% per annum is Rs. 15.25, then the sum is :
    a. Rs. 2,000
    b. Rs. 1,500
    c. Rs. 1,000
    d. Rs. 2,500

Ans: a. Rs. 2000
Explanation:
Method I:

D = 15.25, r =5% p.a., t = 3 years

$D / P = (r / 100)^2 (300+r / 100)$

$P = D / (r / 100)^2 (300+r / 100)$

$P = 15.25 / (5 / 100)^2 (300+5 / 100)$

$= 15.25 / (25 / 10000) (305 / 100)$

$= 15.25 \text{ X } 40000 / 305 = 0.05 \text{ X } 40000$

D = Rs. 2000

Method II:

Rate % = 5%= 1/20

D = 15.25 = 5+5+5+0.25,Let's take D =5

$P = D \text{ X } R^2 = 5 \text{ X } 20 \text{ X } 20 = \text{Rs.}2000.$

Name of the Bundle	Advanced Bundle V2	Subject	Aptitude
Topic	Difference b/w SI and CI	Last updated on	13 February 2025

19. The difference between compound and simple interests on a certain sum for 3 years at 5% p.a is Rs. 122. The sum is :
    a. Rs. 16,000
    b. Rs. 15,000
    c. Rs. 12,000
    d. Rs. 10,000

Ans: a. Rs. 16,000
Explanation:
Method I:

D = 122, r =5% p.a., t = 3 years

$D / P = (r / 100)^2 (300+r / 100)$

$P = D / (r / 100)^2 (300+r / 100)$

$P = 122 / (5 / 100)^2 (300+5 / 100)$

$= 122 / (25 / 10000) (305 / 100)$

$= 122 \text{ X } 40000 / 305$

D = Rs. 16,000

Method II:

Rate % = 5%= 1/20

D = 122 = 40+40+40+2. Let's take D =40

$P = D \text{ X } R^2 = 40 \text{ X } 20 \text{ X } 20 = \text{Rs.}16,000.$

Name of the Bundle	Advanced Bundle V2	Subject	Aptitude
Topic	Difference b/w SI and CI	Last updated on	13 February 2025

20. On what sum does the difference between the compound interest and the simple interest for 3 years at 10% Rs. 31?
    a. Rs. 1500
    b. Rs. 1200
    c. Rs. 1100
    d. Rs. 1000

Ans: d. Rs. 1000
Explanation:
Method I:

D = 31, r =10% p.a., t = 3 years

$D / P = (r / 100)^2 (300+r / 100)$

$P = D / (r / 100)^2 (300+r / 100)$

$P = 31 / (10 / 100)^2 (300+10 / 100)$

$= 31 / (1 / 100) (310 / 100)$

$= 10 X 10 X 10$

D = Rs. 1000

Method II:

Rate % = 10%= 1/10

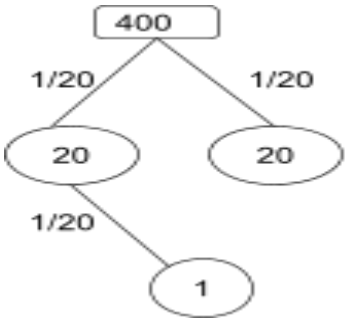
D = 31 = 10+10+10+2. Let's take D =10

$P = D X R^2 = 10 X 10 X 10 = Rs.1000.$

Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

21. If the simple interest on a sum of money at 5%p.a is Rs 50, then the compound interest on the sum for the same period at the same interest rate is:
    a. Rs.50.40
    b. Rs.51.25
    c. Rs.51.35
    d. Rs.51.30

Ans: b. Rs.51.25
Explanation:
Rate % = 5 % = 5 / 100 = 1 / 20, T= 2 years

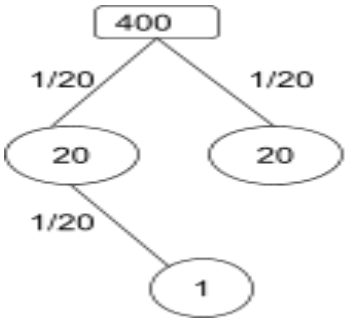


40 units → 50
1 unit → 1.25
Therefore, 41 X 1.25 = Rs.51.25.

Name of the Bundle	Advanced Bundle V2	Subject	Aptitude
Topic	Difference b/w SI and CI	Last updated on	13 February 2025

22. If the simple interest on a sum of money at 5%p.a is Rs 500, then the compound interest on the sum for the same period at the same interest rate is:
    a. Rs.50.40
    b. Rs.512.5
    c. Rs.51.35
    d. Rs.513.0

Ans: b. Rs.512.5
Explanation:
Rate % = 5 % = 5 / 100 = 1 / 20, T= 2 years

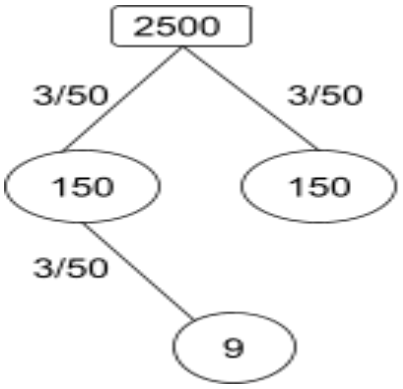


40 units → 500
1 unit → 12.5
Therefore, 41 X 12.5 = Rs.512.5.

Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

23. The simple interest on a certain sum of money for 2 years at 6% p.a is ₹300. Find the compound interest at the same rate and for the same time.
    a. Rs.310
    b. Rs.308
    c. Rs.307
    d. Rs.309

Ans: d. Rs.309
Explanation:
Rate % = 6 % = 6 / 100 = 3 / 50, T= 2 years



300 units → 300
1 unit → 1
Therefore, 309 X 1 = Rs.309.

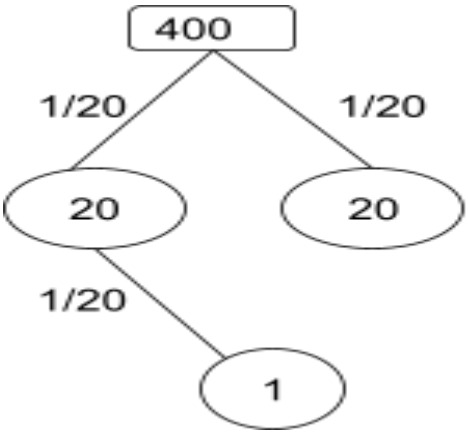
Name of the Bundle	Advanced Bundle V2	Subject	Aptitude
Topic	Difference b/w SI and CI	Last updated on	13 February 2025

24. The simple interest on a certain sum of money for 2 years at 5% p.a is 100. Find the compound interest at the same rate and for the same time.
    a. 102.50
    b. 103.50
    c. 103
    d. 102.25

Ans: a. Rs.102.50

Explanation:

Rate % = 5 % = 5 / 100 = 1 / 20, T= 2 years

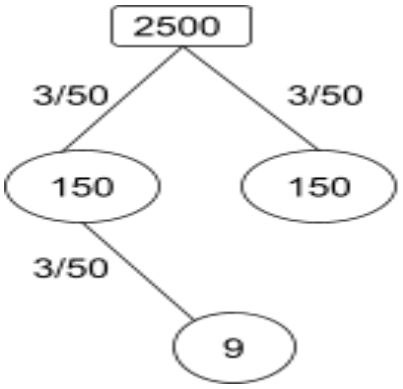


40 units → 100
1 unit → 2.5
Therefore, 41 X 2.5 = Rs.102.5

Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

25. If the CI on a certain sum for 2 years at 6% p.a is Rs.25.75, then the SI would be ___.
    a. Rs.25
    b. Rs.24
    c. Rs.20
    d. Rs.15

Ans: a. Rs.25
Explanation:
Rate % = 6 % = 6 / 100 = 3 / 50, T= 2 years



309 units → 25.75
1 unit → 25.75 / 309
Therefore, 300 X 25.75 / 309= Rs.25.

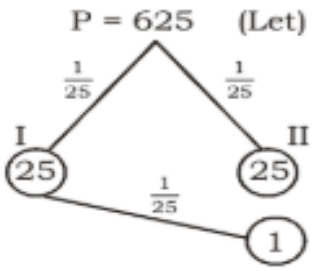
Name of the Bundle	Advanced Bundle V2	Subject	Aptitude
Topic	Difference b/w SI and CI	Last updated on	13 February 2025

26. If the CI on a certain sum for 2 years at 4% p.a is Rs.510, then the SI would be ___.
    a. Rs.500
    b. Rs.505
    c. Rs.400
    d. Rs.475

Ans: a. Rs.500

Explanation:

Rate % = 4 % = 4 / 100 = 1 / 25, T= 2 years



51 units → 510
1 unit → 10
Therefore, 50 X 10 = Rs.500.

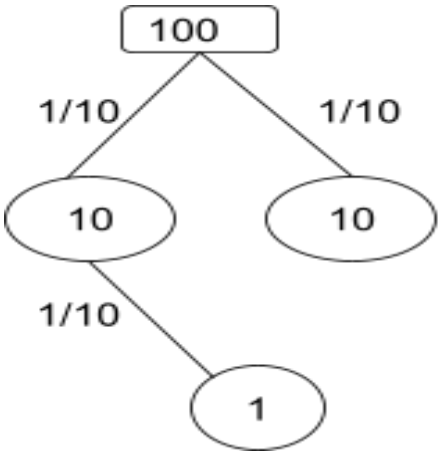
Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

27. The compound interest on a certain sum of money for 2 years at 10% p.a is Rs. 420. The simple interest on the same sum at the same rate and for the same time will be:
    a. Rs. 350
    b. Rs. 380
    c. Rs. 375
    d. Rs. 400

Ans: d. Rs.400

Explanation:

Rate % = 10% = 10 / 100 = 1 / 20, T= 2 years



21 units → 420
1 unit → 20
Therefore, 20 X 20 = Rs.400.

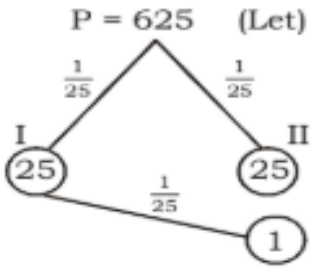
Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

28. Compound interest on a certain sum of money for 2 years at 4% p.a is Rs.102. The simple interest on the same sum for the same rate and the same period will be :
    a. Rs. 99
    b. Rs. 101
    c. Rs. 100
    d. Rs. 98

Ans: c. Rs.100

Explanation:

Rate % = 4 % = 4 / 100 = 1 / 25, T= 2 years

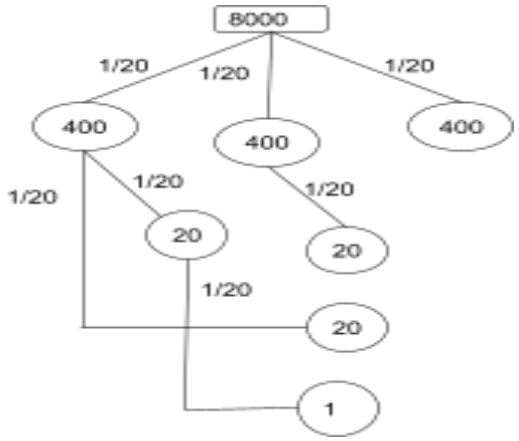


51 units → 102
1 unit → 2
Therefore, 50 X 2 = Rs.100.

Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

29. If the CI on a certain sum of money for 3 years at 5% p.a. is Rs 3783, then what would be the simple interest on the same sum of money for the same period and at the same rate Rs:
    a. Rs.3500
    b. Rs.3650
    c. Rs.3600
    d. Rs.3440

Ans: c. Rs. 3600
Explanation:
Rate % = 5 % = 5 / 100 = 1 / 20, T= 3 years

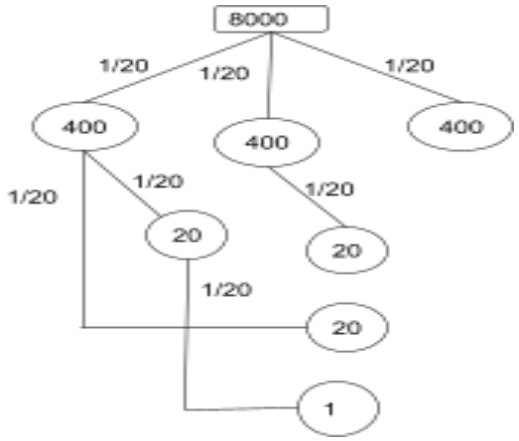


1261 units → 3783
1 unit → 3
Therefore,1200 X 3 = Rs.3600.

Name of the Bundle	Advanced Bundle V2	**Subject**	Aptitude
Topic	Difference b/w SI and CI	**Last updated on**	13 February 2025

30. If the CI on a certain sum of money for 3 years at 5% p.a. is Rs 6305, then what would be the simple interest on the same sum of money for the same period and at the same rate Rs:
    a. Rs.5000
    b. Rs.6000
    c. Rs.4000
    d. Rs.8000

Ans: b. Rs. 6000
Explanation:
Rate % = 5 % = 5 / 100 = 1 / 20, T= 3 years



1261 units → 6305
1 unit → 5
Therefore,1200 X 5 = Rs.6000.