EduSahara™ Assignment

Name : Polynomials Miscellaneous

Chapter : Polynomials and Factorisation

Grade : SSC Grade IX

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1. The value of 78×78 is

   (i) 6083 (ii) 6085 (iii) 6081 (iv) 6084 (v) 6087

2. The value of $100\frac{1}{3} \times 100\frac{1}{3}$ is

   (i) 10067 (ii) $10066\frac{5}{9}$ (iii) $10066\frac{7}{9}$ (iv) $10066\frac{7}{11}$

3. The value of 694×694 is

   (i) 481637 (ii) 481639 (iii) 481633 (iv) 481635 (v) 481636

4. The value of $299\frac{1}{4} \times 299\frac{1}{4}$ is

   (i) $89550\frac{7}{16}$ (ii) $89550\frac{9}{16}$ (iii) $89550\frac{1}{2}$ (iv) $89550\frac{11}{16}$ (v) $89550\frac{9}{14}$

5. The value of 12×8 is

   (i) 96 (ii) 95 (iii) 98 (iv) 97 (v) 94

6. The value of $700\frac{1}{3} \times 699\frac{2}{3}$ is

   (i) $489999\frac{8}{9}$ (ii) $489999\frac{2}{3}$ (iii) $490000\frac{1}{7}$ (iv) $489999\frac{8}{11}$ (v) $490000\frac{1}{9}$

7. The value of 207×206 is

   (i) 42641 (ii) 42643 (iii) 42639 (iv) 42644 (v) 42642

8. The value of $400\frac{1}{2} \times 401\frac{1}{3}$ is

   (i) 160731 (ii) 160733 (iii) 160734 (iv) 160735 (v) 160737

9. The value of 291×295 is

   (i) 85848 (ii) 85845 (iii) 85844 (iv) 85846 (v) 85843

10. The value of $698\frac{1}{2} \times 698\frac{1}{2}$ is

    (i) $487902\frac{1}{2}$ (ii) $487902\frac{1}{4}$ (iii) $487902\frac{1}{6}$ (iv) $487902\frac{3}{4}$ (v) $487901\frac{3}{4}$

11. The value of 16×1 is

    (i) 16 (ii) 14 (iii) 19 (iv) 17 (v) 15

12. The value of $30\frac{2}{3} \times 28\frac{2}{3}$ is

(i) $879\frac{1}{9}$ (ii) $879\frac{1}{3}$ (iii) $878\frac{8}{9}$ (iv) $879\frac{1}{11}$ (v) $879\frac{1}{7}$

13. Evaluate : $980^2 - 20^2$

(i) 9600000 (ii) 960980 (iii) 960020 (iv) 96000 (v) 960000

14. Find 708^3

(i) 354894912 (ii) 354894902 (iii) 354894892 (iv) 354894922 (v) 354894932

15. Find 291^3

(i) 24642191 (ii) 24642181 (iii) 24642171 (iv) 24642161 (v) 24642151

16. Find the value of $45^3 + 55^3 - 100^3$

(i) 1331000 (ii) (-729000) (iii) (-1331000) (iv) 729000 (v) (-742500)

17. Find the value of $8.4^3 + 2^3 - 10.4^3$

(i) 64 (ii) -64 (iii) -4741.632 (iv) 4741.632 (v) -524.16

18. If $(a+b)=10$, $ab=16$, find (a^2+b^2)

(i) 70 (ii) 67 (iii) 69 (iv) 68 (v) 66

19. If $(a^2+b^2)=45$, $ab=18$, find $(a+b)$

(i) 10 (ii) 12 (iii) 9 (iv) 7 (v) 8

20. If $(a+b)=5$, $ab=6$, find (a^3+b^3)

(i) 34 (ii) 32 (iii) 35 (iv) 38 (v) 36

21. If $(a-b)=1$, $ab=20$, find (a^3-b^3)

(i) 60 (ii) 59 (iii) 61 (iv) 63 (v) 62

22. If $(a+b)=9$, $ab=18$, find (a^4+b^4)

(i) 1376 (ii) 1377 (iii) 1374 (iv) 1380 (v) 1378

23. If $(a^4+b^4)=1921$, $ab=30$, find $(a+b)$

(i) 12 (ii) 9 (iii) 11 (iv) 13 (v) 10

24. If $(a+b+c)=12$, $(a^2+b^2+c^2)=74$, find $(ab+ac+bc)$

(i) 35 (ii) 37 (iii) 32 (iv) 34 (v) 36

25. If $(a+b+c)=12$, $(ab+ac+bc)=41$, find $(a^2+b^2+c^2)$

(i) 61 (ii) 59 (iii) 63 (iv) 62 (v) 64

Assignment Key

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