EduSahara™ Assignment

Name : Polynomials Miscellaneous

Chapter : Polynomials and Factorisation

Grade : SSC Grade IX

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1. The value of 62×62 is

   (i) 3844 (ii) 3846 (iii) 3841 (iv) 3843 (v) 3845

2. The value of $70\frac{2}{3} \times 70\frac{2}{3}$ is

   (i) $4993\frac{7}{9}$ (ii) 4994 (iii) $4993\frac{5}{9}$ (iv) $4993\frac{7}{11}$

3. The value of 398×398 is

   (i) 158402 (ii) 158404 (iii) 158403 (iv) 158406 (v) 158405

4. The value of $198\frac{1}{2} \times 198\frac{1}{2}$ is

   (i) $39402\frac{1}{4}$ (ii) $39402\frac{1}{6}$ (iii) $39402\frac{3}{4}$ (iv) $39401\frac{3}{4}$ (v) $39402\frac{1}{2}$

5. The value of 57×43 is

   (i) 2451 (ii) 2452 (iii) 2450 (iv) 2454 (v) 2448

6. The value of $30\frac{1}{2} \times 29\frac{1}{2}$ is

   (i) $899\frac{1}{2}$ (ii) $899\frac{3}{4}$ (iii) $899\frac{1}{4}$ (iv) $900\frac{1}{2}$ (v) $900\frac{1}{4}$

7. The value of 44×49 is

   (i) 2159 (ii) 2155 (iii) 2153 (iv) 2157 (v) 2156

8. The value of $900\frac{1}{2} \times 901\frac{1}{3}$ is

   (i) 811650 (ii) $811650\frac{2}{3}$ (iii) 811652 (iv) $811651\frac{1}{3}$ (v) $811650\frac{2}{5}$

9. The value of 4×8 is

   (i) 33 (ii) 29 (iii) 32 (iv) 35 (v) 31

10. The value of $19\frac{1}{3} \times 19\frac{1}{4}$ is

    (i) $372\frac{1}{2}$ (ii) $372\frac{1}{4}$ (iii) $371\frac{5}{6}$ (iv) $372\frac{1}{6}$ (v) $372\frac{1}{8}$

11. The value of 508×499 is

    (i) 253495 (ii) 253493 (iii) 253489 (iv) 253491 (v) 253492

12. The value of $20\frac{1}{4} \times 18\frac{1}{2}$ is

(i) $374\frac{7}{8}$ (ii) $374\frac{3}{8}$ (iii) $374\frac{1}{2}$ (iv) $374\frac{5}{6}$ (v) $374\frac{5}{8}$

13. Evaluate : $975^2 - 25^2$

(i) 9500000 (ii) 95000 (iii) 950025 (iv) 950000 (v) 950975

14. Find 707^3

(i) 353393263 (ii) 353393223 (iii) 353393233 (iv) 353393253 (v) 353393243

15. Find 95^3

(i) 857385 (ii) 857395 (iii) 857375 (iv) 857365 (v) 857355

16. Find the value of $35^3 + 60^3 - 95^3$

(i) 1728000 (ii) (-343000) (iii) (-598500) (iv) 343000 (v) (-1728000)

17. Find the value of $2.6^3 + 9.2^3 - 11.8^3$

(i) 140.608 (ii) -846.768 (iii) 6229.504 (iv) -140.608 (v) -6229.504

18. If $(a+b)=11$, $ab=30$, find (a^2+b^2)

(i) 59 (ii) 61 (iii) 64 (iv) 60 (v) 62

19. If $(a^2+b^2)=20$, $ab=8$, find $(a+b)$

(i) 6 (ii) 8 (iii) 5 (iv) 4 (v) 7

20. If $(a+b)=9$, $ab=20$, find (a^3+b^3)

(i) 186 (ii) 188 (iii) 190 (iv) 191 (v) 189

21. If $(a-b)=3$, $ab=18$, find (a^3-b^3)

(i) 191 (ii) 189 (iii) 188 (iv) 187 (v) 190

22. If $(a+b)=9$, $ab=20$, find (a^4+b^4)

(i) 882 (ii) 879 (iii) 881 (iv) 880 (v) 883

23. If $(a^4+b^4)=97$, $ab=6$, find $(a+b)$

(i) 7 (ii) 4 (iii) 2 (iv) 5 (v) 6

24. If $(a+b+c)=19$, $(a^2+b^2+c^2)=129$, find $(ab+ac+bc)$

(i) 116 (ii) 114 (iii) 117 (iv) 115 (v) 119

25. If $(a+b+c)=9$, $(ab+ac+bc)=26$, find $(a^2+b^2+c^2)$

(i) 28 (ii) 29 (iii) 30 (iv) 32 (v) 27

Assignment Key

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

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