

EduSahara™ Learning Center Assignment**Grade : Class IX, SSC****Chapter : Polynomials and Factorisation****Name : Polynomials Miscellaneous**

1. The value of 704×704 is

- (i) 495617 (ii) 495618 (iii) 495615 (iv) 495616 (v) 495614
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2. The value of $40\frac{3}{4} \times 40\frac{3}{4}$ is

- (i) $1660\frac{9}{16}$ (ii) $1660\frac{11}{16}$ (iii) $1660\frac{9}{14}$ (iv) $1660\frac{1}{2}$ (v) $1660\frac{7}{16}$
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3. The value of 193×193 is

- (i) 37246 (ii) 37250 (iii) 37249 (iv) 37248 (v) 37251
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4. The value of $19\frac{1}{2} \times 19\frac{1}{2}$ is

- (i) $380\frac{1}{4}$ (ii) $380\frac{3}{4}$ (iii) $379\frac{3}{4}$ (iv) $380\frac{1}{6}$ (v) $380\frac{1}{2}$
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5. The value of 409×391 is

- (i) 159919 (ii) 159918 (iii) 159922 (iv) 159916 (v) 159920
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6. The value of $80\frac{1}{4} \times 79\frac{3}{4}$ is

- (i) $6399\frac{5}{6}$ (ii) $6399\frac{13}{16}$ (iii) $6400\frac{1}{14}$ (iv) $6399\frac{15}{16}$ (v) $6400\frac{1}{16}$
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7. The value of 15×17 is

- (i) 256 (ii) 252 (iii) 254 (iv) 257 (v) 255
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8. The value of $700\frac{2}{3} \times 700\frac{1}{2}$ is

- (i) 490818 (ii) 490817 (iii) 490819 (iv) 490816 (v) 490815
-

9. The value of 14×15 is

- (i) 210 (ii) 207 (iii) 209 (iv) 213 (v) 211
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10. The value of $39\frac{1}{3} \times 39\frac{3}{4}$ is

- (i) $1563\frac{1}{2}$ (ii) 1564 (iii) $1564\frac{1}{2}$ (iv) $1562\frac{1}{2}$ (v) $1563\frac{1}{4}$
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11. The value of 803×796 is

(i) 639188 (ii) 639187 (iii) 639189 (iv) 639185 (v) 639191

12. The value of $50\frac{1}{2} \times 48\frac{2}{3}$ is

(i) $2457\frac{2}{5}$ (ii) $2458\frac{1}{3}$ (iii) 2457 (iv) $2457\frac{2}{3}$ (v) 2459

13. Evaluate : $990^2 - 10^2$

(i) 980000 (ii) 980010 (iii) 9800000 (iv) 98000 (v) 980990

14. Find 904^3

(i) 738763274 (ii) 738763244 (iii) 738763254 (iv) 738763264 (v) 738763284

15. Find 297^3

(i) 26198053 (ii) 26198073 (iii) 26198063 (iv) 26198083 (v) 26198093

16. Find the value of $35^3 + 20^3 - 55^3$

(i) 64000 (ii) (-343000) (iii) (-64000) (iv) (-115500) (v) 343000

17. Find the value of $2.2^3 + 6^3 - 8.2^3$

(i) 85.184 (ii) 1728 (iii) -1728 (iv) -324.72 (v) -85.184

18. If $(a + b) = 6$, $ab = 8$, find $(a^2 + b^2)$

(i) 20 (ii) 19 (iii) 21 (iv) 23 (v) 18

19. If $(a^2 + b^2) = 29$, $ab = 10$, find $(a + b)$

(i) 5 (ii) 8 (iii) 7 (iv) 10 (v) 6

20. If $(a + b) = 10$, $ab = 24$, find $(a^3 + b^3)$

(i) 278 (ii) 281 (iii) 279 (iv) 280 (v) 283

21. If $(a - b) = 1$, $ab = 30$, find $(a^3 - b^3)$

(i) 91 (ii) 90 (iii) 92 (iv) 93 (v) 88

22. If $(a + b) = 8$, $ab = 15$, find $(a^4 + b^4)$

(i) 706 (ii) 705 (iii) 704 (iv) 709 (v) 707

23. If $(a^4 + b^4) = 706$, $ab = 15$, find $(a + b)$

(i) 10 (ii) 9 (iii) 7 (iv) 8 (v) 6

24. If $(a + b + c) = 14$, $(a^2 + b^2 + c^2) = 78$, find $(ab + ac + bc)$

(i) 56 (ii) 59 (iii) 60 (iv) 61 (v) 58

25. If $(a + b + c) = 13$, $(ab + ac + bc) = 50$, find $(a^2 + b^2 + c^2)$

(i) 68 (ii) 69 (iii) 67 (iv) 70 (v) 72

Assignment Key

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