

EduSahara™ Learning Center Assignment

Grade : Class VIII, ICSE
Chapter : Special Products and Expansions
Name : Product of Numbers using Algebraic Identities
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1. The value of 13×13 is

- (i) 169 (ii) 172 (iii) 168 (iv) 170 (v) 166
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2. The value of $300\frac{3}{4} \times 300\frac{3}{4}$ is

- (i) $90450\frac{1}{2}$ (ii) $90450\frac{7}{16}$ (iii) $90450\frac{11}{16}$ (iv) $90450\frac{9}{14}$ (v) $90450\frac{9}{16}$
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3. The value of 83×83 is

- (i) 6889 (ii) 6888 (iii) 6887 (iv) 6891 (v) 6890
-

4. The value of $699\frac{3}{4} \times 699\frac{3}{4}$ is

- (i) $489650\frac{1}{18}$ (ii) $489650\frac{1}{16}$ (iii) $489650\frac{1}{14}$ (iv) $489649\frac{15}{16}$ (v) $489650\frac{3}{16}$
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5. The value of 502×498 is

- (i) 249993 (ii) 249999 (iii) 249997 (iv) 249995 (v) 249996
-

6. The value of $501\frac{1}{2} \times 498\frac{1}{2}$ is

- (i) $249997\frac{3}{4}$ (ii) $249997\frac{1}{2}$ (iii) $249998\frac{1}{2}$ (iv) $249997\frac{1}{4}$ (v) $249998\frac{1}{4}$
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7. The value of 95×97 is

- (i) 9214 (ii) 9213 (iii) 9218 (iv) 9216 (v) 9215
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8. The value of $51\frac{1}{2} \times 50\frac{1}{3}$ is

- (i) $2592\frac{1}{2}$ (ii) $2592\frac{1}{4}$ (iii) $2592\frac{1}{8}$ (iv) $2592\frac{1}{6}$ (v) $2591\frac{5}{6}$
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9. The value of 28×22 is

(i) 614 (ii) 616 (iii) 619 (iv) 617 (v) 615

10. The value of $19\frac{1}{2} \times 18\frac{1}{2}$ is

(i) $361\frac{1}{2}$ (ii) $361\frac{1}{4}$ (iii) $360\frac{3}{4}$ (iv) $360\frac{1}{2}$ (v) $360\frac{1}{4}$

11. The value of 702×692 is

(i) 485784 (ii) 485785 (iii) 485781 (iv) 485787 (v) 485783

12. The value of $600\frac{1}{4} \times 598\frac{1}{2}$ is

(i) $359249\frac{7}{8}$ (ii) $359249\frac{5}{8}$ (iii) $359249\frac{5}{6}$ (iv) $359249\frac{3}{8}$ (v) $359249\frac{1}{2}$

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

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

14. Find 308^3

(i) 29218102 (ii) 29218132 (iii) 29218122 (iv) 29218092 (v) 29218112

15. Find 591^3

(i) 206425051 (ii) 206425091 (iii) 206425081 (iv) 206425061 (v) 206425071

16. Find the value of $50^3 + 25^3 - 75^3$

(i) (-1000000) (ii) 1000000 (iii) 125000 (iv) (-125000) (v) (-281250)

17. Find the value of $7.4^3 + 2^3 - 9.4^3$

(i) -3241.792 (ii) -64 (iii) 3241.792 (iv) -417.36 (v) 64

Assignment Key

- 1) (i)
- 2) (v)
- 3) (i)
- 4) (ii)
- 5) (v)
- 6) (i)
- 7) (v)
- 8) (iv)
- 9) (ii)
- 10) (iii)
- 11) (i)
- 12) (ii)
- 13) (iv)
- 14) (v)
- 15) (v)
- 16) (v)
- 17) (iv)