

EduSahara™ Learning Center Assignment**Grade : Class VIII, SSC****Chapter : Factorisation****Name : Division****Licensed To : Teachers and Students for non-commercial use**

The quotient when $5r$

1. is divided by 4 is

(i) $\frac{7}{6}r$ (ii) $\frac{7}{4}r$ (iii) $\frac{5}{4}r$ (iv) $\frac{3}{2}r$ (v) $\frac{3}{4}r$

The quotient when $(-6h^2)$

2. is divided by $(h + 7)$ is

(i) $(-4h + 42)$ (ii) $(-8h + 42)$ (iii) $(-5h + 42)$

(iv) $(-7h + 42)$ (v) $(-6h + 42)$

The quotient when $(6f - 8)$

3. is divided by $(f - 7)$ is

(i) 6 (ii) 4 (iii) 7 (iv) 5 (v) 9

The quotient when $(-8n^2 - n + 1)$

4. is divided by $(n - 7)$ is

(i) $(-7n - 57)$ (ii) $(-8n - 57)$ (iii) $(-5n - 57)$

(iv) $(-10n - 57)$ (v) $(-9n - 57)$

The quotient when $(5i^2 + 6i)$

5. is divided by $(i + 4)$ is

- (i) $(5i - 14)$ (ii) $(4i - 14)$ (iii) $(2i - 14)$
(iv) $(6i - 14)$ (v) $(7i - 14)$
-

6. The quotient when $(8v^3 + 4v^2 + 8v)$
is divided by $(v^2 - v - 20)$ is

- (i) $(11v + 12)$ (ii) $(8v + 12)$ (iii) $(7v + 12)$
(iv) $(5v + 12)$ (v) $(9v + 12)$
-

7. The quotient when $(-7x^4 + 9x^3 + 8x^2 - 5x - 1)$
is divided by $(x^2 + 12x + 27)$ is

- (i) $(-4x^2 + 93x - 919)$ (ii) $(-6x^2 + 93x - 919)$ (iii) $(-7x^2 + 93x - 919)$
(iv) $(-8x^2 + 93x - 919)$ (v) $(-10x^2 + 93x - 919)$
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8. The quotient when $(2h^5 - 6h^4 - 5h^3 + 9h^2 - 4h + 4)$
is divided by $(h + 4)$ is

- (i) $(-14h^3 + 51h^2 - 195h + 776)$
(ii) $(h^4 - 14h^3 + 51h^2 - 195h + 776)$
(iii) $(3h^4 - 14h^3 + 51h^2 - 195h + 776)$
(iv) $(2h^4 - 14h^3 + 51h^2 - 195h + 776)$
(v) $(4h^4 - 14h^3 + 51h^2 - 195h + 776)$
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9. The remainder when $(-5b)$

is divided by 7 is

- (i) 2 (ii) (-1) (iii) 1 (iv) 0 (v) (-2)
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10. The remainder when $(-8z^2)$

is divided by $(z - 8)$ is

- (i) (-509) (ii) (-511) (iii) (-512) (iv) (-515) (v) (-513)
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11. The remainder when $(7n + 4)$

is divided by $(n + 5)$ is

- (i) (-32) (ii) (-30) (iii) (-33) (iv) (-31) (v) (-28)
-

12. The remainder when $(6g^2 + 6g)$

is divided by $(g + 2)$ is

- (i) 11 (ii) 9 (iii) 13 (iv) 15 (v) 12
-

13. The remainder when $(6u^2 - 4u + 3)$

is divided by $(u + 1)$ is

- (i) 12 (ii) 16 (iii) 11 (iv) 14 (v) 13
-

14. The remainder when $(-3q^3 + 9q^2 - 3)$

is divided by $(q^2 + q - 42)$ is

- (i) $(-136q + 501)$ (ii) $(-138q + 501)$ (iii) $(-141q + 501)$
(iv) $(-137q + 501)$ (v) $(-139q + 501)$
-

15. The remainder when $(2n^4 - n^3 + 6n^2 + 5n + 5)$

is divided by $(n^2 + 2n - 35)$ is

(i) $(-340n + 3015)$ (ii) $(-345n + 3015)$ (iii) $(-342n + 3015)$

(iv) $(-341n + 3015)$ (v) $(-343n + 3015)$

The remainder when $(6x^3 + 8x^2 - x - 5)$
16.

is divided by $(x^2 - 6x - 27)$ is

(i) $(428x + 1183)$ (ii) $(426x + 1183)$ (iii) $(425x + 1183)$

(iv) $(424x + 1183)$ (v) $(423x + 1183)$

Assignment Key

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