EduSahara™ Assignment

Name : Division of Polynomials

Chapter : Algebraic Expressions

Grade : ICSE Grade VII

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1. The quotient when $(-9n)$ is divided by (-7) is

   (i) $\frac{11}{7}n$ (ii) $\frac{7}{5}n$ (iii) $\frac{11}{9}n$ (iv) $\frac{9}{7}n$ (v) n

2. The quotient when $8f^2$ is divided by $(f+1)$ is

   (i) $(7f-8)$ (ii) $(8f-8)$ (iii) $(9f-8)$ (iv) $(6f-8)$ (v) $(11f-8)$

3. The quotient when $(-q+7)$ is divided by $(q-8)$ is

   (i) (-1) (ii) (-2) (iii) (-3) (iv) 0 (v) 2

4. The quotient when $(-9r^2+6r+1)$ is divided by $(r+4)$ is

   (i) $(-6r+42)$ (ii) $(-10r+42)$ (iii) $(-8r+42)$ (iv) $(-12r+42)$ (v) $(-9r+42)$

5. The quotient when $(-6c^2+2c)$ is divided by $(c+8)$ is

   (i) $(-4c+50)$ (ii) $(-6c+50)$ (iii) $(-8c+50)$ (iv) $(-5c+50)$ (v) $(-7c+50)$

6. The quotient when $(-9n^3+4n-9)$ is divided by $(n^2-11n+30)$ is

   (i) $(-9n-99)$ (ii) $(-12n-99)$ (iii) $(-6n-99)$ (iv) $(-8n-99)$ (v) $(-10n-99)$

7. The quotient when $(4w^4+w^3-6w^2+8w-9)$ is divided by $(w^2-2w-24)$ is

   (i) $(4w^2+9w+108)$ (ii) $(3w^2+9w+108)$ (iii) $(w^2+9w+108)$ (iv) $(7w^2+9w+108)$ (v) $(5w^2+9w+108)$

8. The quotient when $(-4t^5+2t^4-t^3+t^2+t-7)$ is divided by $(t-7)$ is

   (i) $(-t^4-26t^3-183t^2-1280t-8959)$ (ii) $(-3t^4-26t^3-183t^2-1280t-8959)$

   (iii) $(-5t^4-26t^3-183t^2-1280t-8959)$ (iv) $(-7t^4-26t^3-183t^2-1280t-8959)$

   (v) $(-4t^4-26t^3-183t^2-1280t-8959)$

9. The remainder when $(-4k)$ is divided by (-5) is

   (i) (-1) (ii) (-3) (iii) 0 (iv) 2 (v) 1

10. The remainder when $(-n^2)$ is divided by $(n+7)$ is

    (i) (-49) (ii) (-50) (iii) (-48) (iv) (-51) (v) (-46)

11. The remainder when $(5c+1)$ is divided by $(c-6)$ is

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

12. The remainder when $(-5k^2-7k)$ is divided by $(k-1)$ is

(i) (-15) (ii) (-11) (iii) (-12) (iv) (-10) (v) (-13)

13. The remainder when $(4j^2-6j+2)$ is divided by $(j-6)$ is

(i) 111 (ii) 109 (iii) 108 (iv) 112 (v) 110

14. The remainder when $(-8s^2-2s-2)$ is divided by $(s+7)$ is

(i) (-380) (ii) (-381) (iii) (-382) (iv) (-377) (v) (-379)

15. The remainder when $(-6d^4-6d^3+4d^2+6d+1)$ is divided by (d^2-49) is

(i) $(-285d-14209)$ (ii) $(-287d-14209)$ (iii) $(-291d-14209)$ (iv) $(-288d-14209)$

(v) $(-289d-14209)$

16. The remainder when $(-7r^4-4r^3-3r^2+5)$ is divided by (r^2+7r-8) is

(i) $(2977r-2987)$ (ii) $(2976r-2987)$ (iii) $(2978r-2987)$ (iv) $(2979r-2987)$ (v) $(2980r-2987)$

17. $(-2x^3+4x^2+10x-12)\div(2x^2+2x-4)=$

(i) 3 (ii) $(-x+3)$ (iii) $(x+3)$ (iv) $(-x-3)$ (v) $(-2x+3)$

18. $(18x^4+39x^3+8x^2-19x-6)\div(-9x^3-6x^2+5x+2)=$

(i) $(2x-3)$ (ii) $(-3x-3)$ (iii) $(-2x-3)$ (iv) $(-2x+3)$ (v) $(-x-3)$

19. $(54x^5+225x^4+108x^3-306x^2-162x+81)$ divided by $(6x^3+33x^2+54x+27)=$

(i) $(9x^2-12x-3)$ (ii) $(9x^2-11x+3)$ (iii) $(9x^2-12x+3)$ (iv) $(9x^2-13x+3)$ (v) $(9x^2+12x+3)$

20. $(16x^4y^4+4x^3y^3)\div 2x^2y^2=$

(i) $(8x^2y^2+2xy^2z)$ (ii) $(8x^3y^4+2xy)$ (iii) $(8x^2y^2+2y^2)$ (iv) $(8x^3y^3+2xy)$ (v) $(8x^2y^2+2xy)$

21. $(36x^4y^3z^3+576x^4y^3z^2+288x^3y^4z^2)\div 6x^2y^2z=$

(i) $(6x^3y^3z^2+96x^2yz+48xy^2z)$ (ii) $(6x^3y^2z^2+96x^2yz+48xy^2z)$ (iii) $(96x^2y^2z^2+6x^2yz^2+48xy^2z)$

(iv) $(6x^2yz^2+96x^2yz+48xy^2z)$ (v) $(6x^2yz^2+96xy^2z)$

22. $(8x^4+6x^3)\div 2x^2$

(i) $(4x^2+4x)$ (ii) $(3x^2+3x)$ (iii) $(4x^2+3x)$ (iv) $(4x^2-3x)$ (v) $(-4x^2+3x)$

23. $(15x^4+11x^3+2x^2)\div(5x^2+2x)$

(i) $(-3x^2+x)$ (ii) $(3x^2+2x)$ (iii) $(3x^2+x)$ (iv) $(3x^2-x)$ (v) $(2x^2+x)$

24. $(30x^4-96x^3-6x^2+72x)\div(6x^2-24x+18)$

(i) $(5x^2-4x)$ (ii) $(5x^2+4x)$ (iii) $(5x^2+5x)$ (iv) $(-5x^2+4x)$ (v) $(5x^2+3x)$

25. Find the remainder when $(9x^2-21x+6)$ is divided by $(3x+9)$

(i) 149 (ii) 148 (iii) 150 (iv) 151 (v) 152

Assignment Key

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

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