MATHS

NCERT - NCERT Maths(TELUGU)

ALGEBRIC EXPRESSIONS

Exercise

1. Find the rule which gives the number of matchsticks required to make the pattern: A pattern of letter H

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2. Find the rule which gives the number of matchsticks required to make the pattern: V

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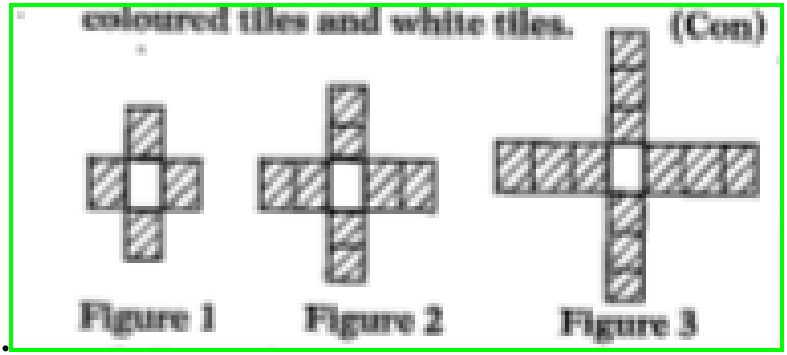
3. Draw the next two figures in the pattern above.



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4. fill the table given below and express the pattern in the form of an algebraic expression.

Figure Number	1	2	3	4	5
Number of coloured tiles	4				

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5. fill the table given below and express the pattern in the form of an algebraic expression.

Figure Number	1	2	3	4	5
Number of total tiles	5				

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6. Write the expressions in statement: $x + 3$

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7. Write the expressions in statement: $y - 7$

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8. Write the expressions in statement: $10l$

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9. Write the expressions in statement: $\frac{x}{5}$

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10. Write the expressions in statement: $3m + 11$

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11. Write the expressions in statement: $2y - 5$

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12. Write the statement using variables, constants and arithmetic operations: 6 more than p.

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13. Write the statement using variables, constants and arithmetic operations: x is reduced by 4.

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14. Write the statement using variables, constants and arithmetic operations: 8 subtracted from y.

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15. Write the statement using variables, constants and arithmetic operations: q multiplied by -5

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16. Write the statement using variables, constants and arithmetic operations: y divided by 4.

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17. Write the statement using variables, constants, and arithmetic operations: one-fourth of the product of p and q.

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18. Write the statement using variables, constants and arithmetic operations: 5 added to the three times of z.

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19. Write the statement using variables, constants and arithmetic operations: x multiplied by 5 and added to 10

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20. Write the statement using variables, constants and arithmetic operations: 5 subtracted from two times of y.

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21. Write the statement using variables, constants and arithmetic operations: y multiplied by 10 and added to 13.

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22. State the number in situations is a variable or

constant? The number of days in the month of January.

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23. State the number in situations is a variable or constant? The temperature of days in the Month of January.

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24. State the number in situations is a variable or constant? The Length of your classroom.

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25. State the number in situations is a variable or constant? The Height of the growing plant.

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26. Write the statement using variables,constants and arithmetic operations: 5 more than 2y.

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27. Write the statement using variables,constants and arithmetic operations: y reduced from 19.

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28. Write the statement using variables,constants and arithmetic operations: 3y divided by 7.

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29. Write the statement using variables,constants and arithmetic operations: y multiplied by 3 and 10 is added.

30. Write the statement using variables,constants and arithmetic operations: one fifth product of x and 2y.

31. The Symbolic form of : P multiplied by 7 is.....

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32. The Symbolic form of : 8 more than z is.....

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33. The Symbolic form of : one fourth of xy is.....

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34. The Symbolic form of :7 added to 2 times of q is .....

35. The Symbolic form of : x multiplied by 3 and

10 is subtracted is.....

36. The Symbolic form of : 3 times of pq is.....

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37. Additional bits: Statement of 2-p is.....

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38. Additional bits: Statement of $7l$ is.....

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39. Additional bits: Statement of 2-p is.....

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40. Write the expressions in statement: $x + 3$

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41. Write the expression in statement: 20p

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42. Write the expression in statement: $\frac{y}{7}$

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43. Write the expressions in statement: $2y - 5$

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44. In the expression given identify all the terms: $5x^2 + 3y + 7$

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45. In the expression given identify all the terms: $5x^2y + 3$

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46. In the expression given identify all the terms: $3x^2y$

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47. In the expression given identify all the terms: $5x - 7$

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48. In the expression given identify all the terms: $5x + 8 - 2(-y)$

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49. In the expression given identify all the terms: $7x^2 - 2x$

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50. Group the like terms together: 12x, 12, 24x, -25, 25y,1,x,12y,y,56xy, $3x^2y$, 2xy, 4, 5x

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51. State true or false and give reasons for your answer: $4x^3$ and 5x are unlike terms

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52. State true or false and give reasons for your answer: $5pq^2$ and $-3pq^2$ are like terms

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53. State true or false and give reasons for your answer: 3xy, $-2x^2y$ and $-4xy^2$ are like terms.

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54. What is the numerical coefficient of 9x?

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55. What is the numerical coefficient of -76y?

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56. What is the literal coefficient of 8y?

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57. Identify the expressions given as monomial, binomial, trinomial and multinomial: 4x+5y-7+3z

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58. Identify the expressions given as monomial, binomial, trinomial and multinomial: 7z-3

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59. Give two examples of algebraic and numeric expression.

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60. Identify the expressions given as monomial, binomial, trinomial and multinomial: $4x^2 + z + 3$

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61. Identify the expressions given as monomial, binomial, trinomial and multinomial: 5xy-6

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62. Identify the expressions given as monomial, binomial, trinomial and multinomial: `5xy+6x-3

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63. Identify the expressions given as monomial, binomial, trinomial and multinomial: $ab + 3x - xyz + xz$

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64. How many terms are there in: $x + y - 5$

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65. How many terms are there in: $6x - 4x - 7$

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66. How many terms are there in: $3x^2 + 6x - 3$

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67. How many terms are there in: $x^2yz + 7$

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68. How many terms are there in: $7y^2x$

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69. How many terms are there in: $4x + 8 + 5y$

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70. How many terms are there in: $5x - \frac{5}{2}$

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71. How many terms are there in: $6 + 4x$

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72. How many terms are there in: $8y - 4$

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73. How many terms are there in: $7x - 35$

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74. Identify and write the like terms in: $a^2, -2a^2, c^2, 5a, 3c^2, 10a$

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75. Identify and write the like terms in: 3a,4xy,-yz,2zy

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76. Identify and write the like terms in: $-2xy^2, x^2y, 5y^2x, x^2z$

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77. Identify and write the like terms in: 7p, 8pq, -5pq, -2p, 3p

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78. What is the degree of the monomial : 7y

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79. What is the degree of the monomial : $-xy^2$

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80. What is the degree of the monomial : xy^2z^2

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81. What is the degree of the monomial : $-11y^2z^2$

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82. What is the degree of the monomial : 3mn

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83. What is the degree of the monomial : $-5pq^2$

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84. State whether the expression is a numerical

expression or an algebraic expression: $x + 1$

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85. State whether the expression is a numerical

expression or an algebraic expression: $3m^2$

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86. State whether the expression is a numerical

or an algebraic expression: $-30+16$

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87. State whether the expression is numerical expression or an algebraic expression: $4p^2-5q^2$

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88. State whether the expression is a numerical

expression or an algebraic expression: 96

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89. State whether the expression is numerical expression or an algebraic expression: $x^2 - 5yz$

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90. State whether the expression is numerical expression or an algebraic expression:

$215x^2yz$

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91. State whether the expression is numerical expression or an algebraic expression: $95 + 5 \times 2$

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92. State whether the expression is numerical expression or an algebraic expression: 2+m+n

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93. State whether the expression is numerical expression or an algebraic expression: $310 + 15 + 62$

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94. State whether the expression is numerical expression or an algebraic expression: $11a^2 \div 6b^2 - 5$

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95. Find the degree of: $3x - 15$

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96. Find the degree of: $xy + yz$

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97. Find the degree of:

$2y^2z + 9yz - 7z - 11x^2y^2$

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98. Find the degree of: $2y^2z + 10yz$

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99. Find the degree of: $pq + p^2q - p^2q^2$

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100. Find the degree of: $ax^2 + bx + c$

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101. Write any two algebraic expressions with four terms

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102. State whether the algebraic expression is monomial, binomial, trinomial or multinomial:

y^2

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103. State whether the algebraic expression is monomial, binomial, trinomial or multinomial:

$4y - 7z$

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104. State whether the algebraic expression is monomial, binomial, trinomial or multinomial:

$1 + x + x^2$

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105. State whether the algebraic expression is a

monomial, binomial, trinomial or multinomial:

7mn

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106. State whether the algebraic expression is a

monomial, binomial, trinomial or multinomial:

$a^2 + b^2$

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107. State whether the algebraic expression is

monomial, binomial, trinomial or multinomial:

100

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108. State whether the algebraic expression is monomial, binomial, trinomial or multinomial:

$ax + 9$

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109. State whether the algebraic expression is monomial, binomial, trinomial or multinomial:

$p^2 - 3pq + r$

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110. State whether the algebraic expression is monomial, binomial, trinomial or multinomial:

$3y^2 - x^2y^2 + 4x$

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111. State whether the algebraic expression is monomial, binomial, trinomial or multinomial:

$7x^2 - 2xy + 9y^2 - 11$

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112. Identify monomial, binomial, trinomial or multinomial: $x + y$

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113. Identify monomial, binomial, trinomial or multinomial: $xy - 3 - z$

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114. Identify monomial, binomial, trinomial or multinomial: x^2

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115. Identify monomial, binomial, trinomial or multinomial: $2 + p$

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116. Identify monomial, binomial, trinomial or multinomial: $x + y^2 + z + 9 + k$

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117. Find the degree of: $3x - 15$

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118. Find the degree of: $3x^2yz + 7xy$

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119. Find the degree of: $8xyz + 1$

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120. Find the degree of: $9p^8 + 7p^2 + p^6 + 1$

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121. Identify the like terms abc, $3a^2$, $4b^2$, $-\frac{7}{4}ab$, $-a^2$, $-b^2$, $-4a^2$, 7abc.

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122. Fill in the blanks: Degree of 143 is.....

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123. Fill in the blanks: The value of x^0 =.....

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124. Fill in the blanks: $x^2 + x + 1$ is a.....

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125. Fill in the blanks: Coefficient of xy in $9xy$ is.....

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126. Find the sum of: $5x$ and $7x$

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127. Find the sum of: $7x^2y$ and $-6x^2y$

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128. Find the sum of: 2m, 11m

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129. Find the sum of: $18ab$, $5ab$ and $12ab$

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130. Find the sum of: $3x^2, \ -7x^2, 8c^2$

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131. Find the sum of: $4m^2, 3m^2, \ -6m^2, m^2$

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132. Find the sum of: 18pq, -15pq, 3pq.

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133. Additional bits: Degree of 9p is.....

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134. Additional bits: Degree of $-3xy^2$ is.....

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135. Additional bits: Degree of $xy + yz^2 + 1$ is.....

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136. Degree of $ac^2 + bx + cy^3$ is.....

A. 1

B. 2

C. 3

D. 4

Answer:

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137. The Degree of 2012 is .....

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138. Additional bits: Degree of any constant term is.....

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139. Additional bits: Degree of any $xy^2z^2 + 1$ is.....

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140. Degree of '1' is .....

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141. Find the degree of: $xy + yz$

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142. What is the degree of the monomial : xy^2z^2

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143. Identify like terms:$a^2, b^2, -2a^2, c^2, 4a$

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144. Identify and write the like terms in: $-2xy^2, x^2y, 5y^2x, x^2z$

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145. Identify monomial, binomial, trinomial or multinomial: y^2

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146. Identify monomial, binomial, trinomial or multinomial:100+2y

Watch Video Solution

147. Identify monomial, binomial, trinomial or multinomial:$a + b + c^2$

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148. Identify monomial, binomial, trinomial or multinomial:3xy

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149. Subtract the first term from second term:

2xy, 7xy

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150. Subtract the first term from second term:

$5a^2, 10a^2$

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151. Subtract the first term from second term:

12y, 3y

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152. Subtract the first term from second term:

$6x^2y, 4x^2y$

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153. Subtract the first term from second term:

6xy-12xy

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154. Simplify: $3m + 12m - 5m$

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155. Simplify: $25yz - 8yz - 6yz$

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156. Simplify:

$10m^2 - 9m + 7m - 3m^2 - 5m - 8$

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157. Simplify:

$9x^2 - 6 + 4x + 11 - 6x^2 - 2x + 3x^2 - 2$

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158. Simplify: $2a^2 - 4a^2b + 7a^2 - b^2 - ab$

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159. Simplify:

$5x^2 + 10 + 6x + 4 + 5x + 3x^2 + 8$

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160. Write 5 different expressions in standard form of degree 2.

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161. Write in standard form: $3x + 18 + 4x^2$

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162. Write in standard form: $8 - 3X^2 + 4x$

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163. Write in standard form: $-2m + 6 - 3m^2$

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164. Write in standard form: $y^3 + 1 + y + 3y^2$

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165. Identify whether the given expression is in standard form or not: $9x^2 + 6x + 8$

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166. Identify whether the given expression is in standard form or not: $9x^2 + 15 + 7x$

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167. Identify the expression that are in standard form or not: $9x^2 + 7$

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168. Identify the expression that are in standard form or not: $9x^3 + 15x + 3$

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169. Identify whether the given expression is in standard form or not: $15x^2 + x^3 + 3x$

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170. Identify the expression that are in standard form or not: $x^2y + xy + 3$

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171. Identify the expression that are in standard form or not: $x^3 + x^2y^2 + 6xy$

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172. if x=-6 Find the value of the expression -9x

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173. Write an expression in x whose value is equal to -9, when x=3.

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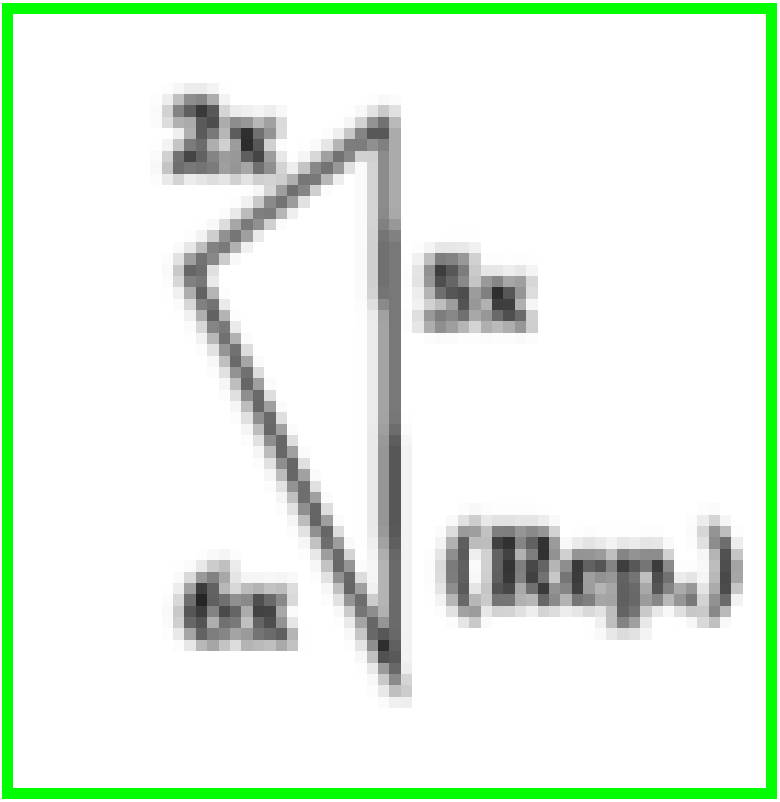
174. Find the length of the line segment PR in the figure in terms of a. Find the perimeter of the triangle.



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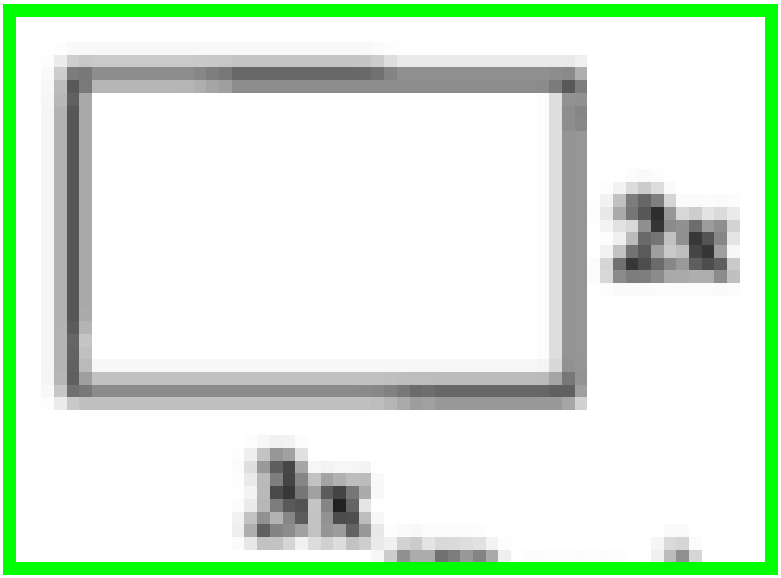
175. Find the length of the line segment PR in the figure in terms of a. Find the perimeter of the rectangle.



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176. Subtract the second term from first term:

$8x, 5x$

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177. Subtract the second term from first term:

$5p, 11p$

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178. Subtract the second term from first term:

$13m^2$, $2m^2$

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179. Find the value of the monomial, : $-x$, if

$x = 1$

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180. Find the value of the monomial : $4x$, if $x = 1$

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181. Find the value of the monomial : $-2x^2$, if x=1

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182. Simplify and find the value of

$4x + x - 2x^2 + x - 1$

when $x = -1$

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183. Write the expression

$5x^2 - 4 - 3x^2 + 6x + 8 + 5x - 13$ in its

simplified form. Find its value when x= -2

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184. Area of a rectangle is given by $A = l \times b$ if L=9cm, b=6cm, find its area?

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185. Simple interest is given by $I = \frac{PTR}{100}$. If P=₹900, T= 2 years, and R=$5\,\%$ find the simple interest.

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186. The relationship between speed (s), distance (d) and time (t) is given by $s = \frac{d}{t}$ find the value of s, if d=135 meters and t= 10 seconds.

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187. If x=1, y=2 find the value of: $4x - 3y + 5$

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188. If x=1, y=2 find the value of: $x^2 + y^2$

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189. If x=1, y=2 find the value of: $xy + 3y - 9$

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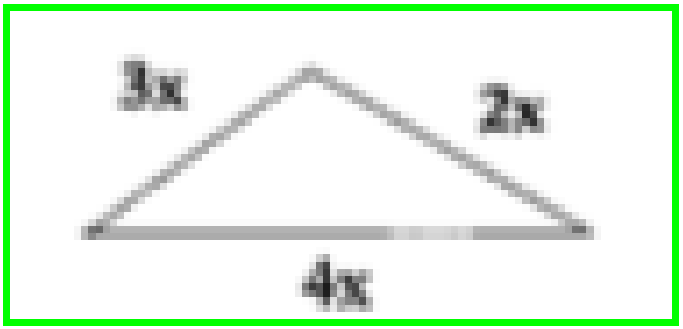
190. Find the perimeter of the triangle.



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191. Find the perimeter of the rectangle .

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192. Find the value of: $x^3 + x^2 + 1$, When $x = -2.$

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193. Find the value of: $x^2 + 1$,When $x = -2.$

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194. Find the value of: $x^2 + y$, For $x = -1$ and $y = 1$.

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195. Find the value of: $xy + y^2x$, for $x = -1$ and $y = 1$

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196. Area of rectangle is given by, $A = l \times b$, if l =7cm, b=4cm then find the value of A.

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197. Find the value of $4x^3$ if $x = -1$

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198. Find the value of $-2x^2$ if x=1

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199. Area of a rectangle is given by $A = l \times b$ if L=9cm, b=6cm, find its area?

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200. Simple interest is given by $I = \frac{PTR}{100}$. If P=₹900, T= 2 years, and R=$5\,\%$ find the simple interest.

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201. If x=1, y=2 find the value of: $x^2 + y^2$

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202. If x=1, y=2 find the value of: $xy + 3y - 9$

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203. Add the following terms: $x - 2y, 3x + 4y$

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204. Add the following terms: $4m^2 - 7n^2 + 5mn, 3m^2 + 5n^2 - 2mn$

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205. Add the following terms: $3a - 4b$, $5c - 7a + 2b$

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206. The value of $-3x$, if $x = -3$ is.....

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207. The Value of $\frac{x^2}{3}$,if $x = 0$ is.....

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208. Subtract the second term from the first term, $8x$ and $5x$.

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209. Additional bits: $112m^2 - 13m^2$=.....

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210. Find the value of $x^2 - x - 1$ if $x = -1$

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211. Find the value of $xy + y^2x$ if $x = 1, y = 0$

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212. If $x = 2, y = -1$, then the value of $x + y^2 =$ .....

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213. If $x = -1$ then the value of $-(-(-x)) =$ .....

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214. The Final Value of the Expression :

$3m + 12m - 4m = ...$

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215. The Final Value of the Expression

$5x + 7x - 2x = ...$

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216. Add the algebraic expressions using both horizontal and vertical methods. And find out did you get the same answer with both methods: $x^2 - 2xy + 3y^2, 5y^2 + 3xy - 6x^2$

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217. Add the algebraic expressions using both horizontal and vertical methods. And find out did you get the same answer with both

methods: $4a^2 + 5b^2 + 6ab$, 3ab , $6a^2 - 2b^2$, $4b^2 - 5ab$

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218. Add the algebraic expressions using both horizontal and vertical methods. And find out did you get the same answer with both methods: $2x + 9y - 7z, 3y + z + 3x$, 2x-4y-z`

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219. Add the algebraic expressions using both horizontal and vertical methods. And find out did you get the same answer with both methods: $2x^2 - 6x + 3$, $-3x^2 - x - 4$, $1 + 2x - 3x^2$

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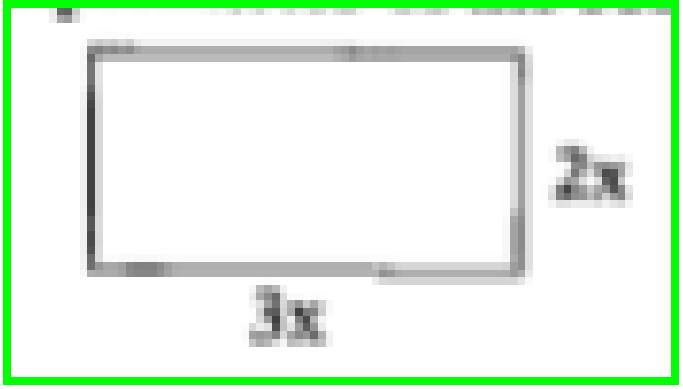
220. Find the value of the perimeter of the given Rectangle.



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221. Find the perimeter of a triangle whose sides are 2a+3b, b-a, 4a-2b

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222. Subtract the second expression from the first expression: 2a+b, a-b

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223. Subtract the second expression from the first expression: $x + 2y + z, -x - y - 3z$

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224. Subtract the second expression from the first expression: $3a^2 - 8ab - 2b^2$, $3a^2 - 4ab + 6b^2$

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225. Subtract the second expression from the first expression: $4pq - 6p^2 - 2q^2, 9p^2$

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226. Subtract the second expression from the first expression: $7 - 2x - 3x^2, 2x^2 - 5x - 3$

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227. Subtract the second expression from the first expression: $5x^2 - 3xy - 7y^2, 3x^2 - xy - 2y^2$

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228. Subtract the second expression from the first expression:

$6m^3 + 4m^2 + 7m - 3, 3m^3 + 4$

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229. Simplify:

$2x^2 + 5x - 1 + 8x + x^2 + 7 - 6x + 3 - 3x^2$

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230. The sum of 3 expressions is $8 + 13a + 7a^2$. Two of them are $2a^2 + 3a + 2$ and $3a^2 - 4a + 1$. Find the third expression.

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231. Subtract the sum of $x^2 - 5xy + 2y^2$ and $y^2 - 2xy - 3x^2$ from the sum of $6x^2 - 8xy - y^2$ and $2xy - 2y^2 - x^2$

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232. A= $4x^2 + y^2 - 6xy$, B= $3y^2 + 12x^2 + 8xy$,

C= $6x^2 + 8y^2 + 6xy$ find A+B+C

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233. If A=$4x^2 + y^2 - 6xy$ B= $3y^2 + 12x^2 + 8xy$

C=$6x^2 + 8y^2 + 6xy$find (A-B)-C

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234. What should be added to $1 + 2x - 3x^2$ to get $x^2 - x - 1$?

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235. What should be taken away from $3x^2 - 4y^2 + 5xy + 20$ to get $x^2 - y^2 + 6xy + 20$

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236. Simplify: $21b - 32 + 7b - 20b$

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237. Simplify: $\left(3y^2 + 5y - 4\right) - \left(8y - y^2 - 4\right)$

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238. Subtract $24ab - 10b - 18a$ from $30ab + 12b + 14a$

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239. From the sum of $3x - y + 11$ and -y-11 subtract $3x - y - 11$

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240. From the sum of $4 + 3x$ and $5 - 4x + 2x^2$ subtract the sum of $3x^2 - 5x$ and $-x^2 + 2x + 5$

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241. Additional bits: $x^2 + y^2 - x^2 + y^2$=.....

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242. Additional bits: $x - y + z - x + y - z$

=.....

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243. Additional bits: $(a + b) - (a - b)$=.....

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244. Additional bits: $-12xy - 6xy$=.....

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245. If $a = 3$ and $b = 2$, then the value of $a^3 - b^3 =$ .....

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246. If $x = 2$, then the value of $4x - 3 =$ .....

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247. Additional bits: add m-n and m+n=.....

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248. Additional bits:

$3mn - 5mn + 8mn - 4mn$=....

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249. The simplified form of the given Expression : $3x - 11 - (7x - 5)$ is .....

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250. Simplify:

$2x^2 + 5x - 1 + 8x + x^2 + 7 - 6x + 3 - 3x^2$

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251. Find the perimeter of a triangle whose sides are 2a+3b, b-a, 4a-2b

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252. What should be added to $1 + 2x - 3x^2$ to get $x^2 - x - 1$?

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253. Subtract the second expression from the first expression: $x + 2y + z, -x - y - 3z$

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254. A= $4x^2 + y^2 - 6xy$, B= $3y^2 + 12x^2 + 8xy$, C= $6x^2 + 8y^2 + 6xy$ find A+B+C

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255. Write the statement using variables, constants and arithmetic operations: 6 more than p.

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256. Write the statement using variables, constants and arithmetic operations: x is reduced by 4.

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257. Write the statement using variables, constants and arithmetic operations: 8 subtracted from y.

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258. Write the statement using variables, constants, and arithmetic operations: one-fourth of the product of p and q.

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259. Write the statement using variables, constants and arithmetic operations: 5 added to the three times of z.

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260. State whether the expression is a numerical

expression or an algebraic expression: $x + 1$

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261. State whether the expression is a numerical

expression or an algebraic expression: $3m^2$

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262. State whether the expression is a numerical

or an algebraic expression: $-30 + 16$

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263. State whether the expression is numerical expression or an algebraic expression: $4p^2 - 5q^2$

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264. State whether the expression is a numerical expression or an algebraic expression: $x^2 - 5yz$

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265. State whether the expression is numerical expression or an algebraic expression: $215x^2yz$

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266. State whether the expression is numerical expression or an algebraic expression: $95 + 5 \times 2$

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267. State whether the expression is numerical expression or an algebraic expression: 2+m+n

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268. State whether the expression is numerical expression or an algebraic expression: $310 + 15 + 62$

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269. State whether the expression is a numerical expression or an algebraic expression: $11a^2 + 6b^2 - 5$

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270. Area of a rectangle is given by $A = l \times b$ if L=9cm, b=6cm, find its area?

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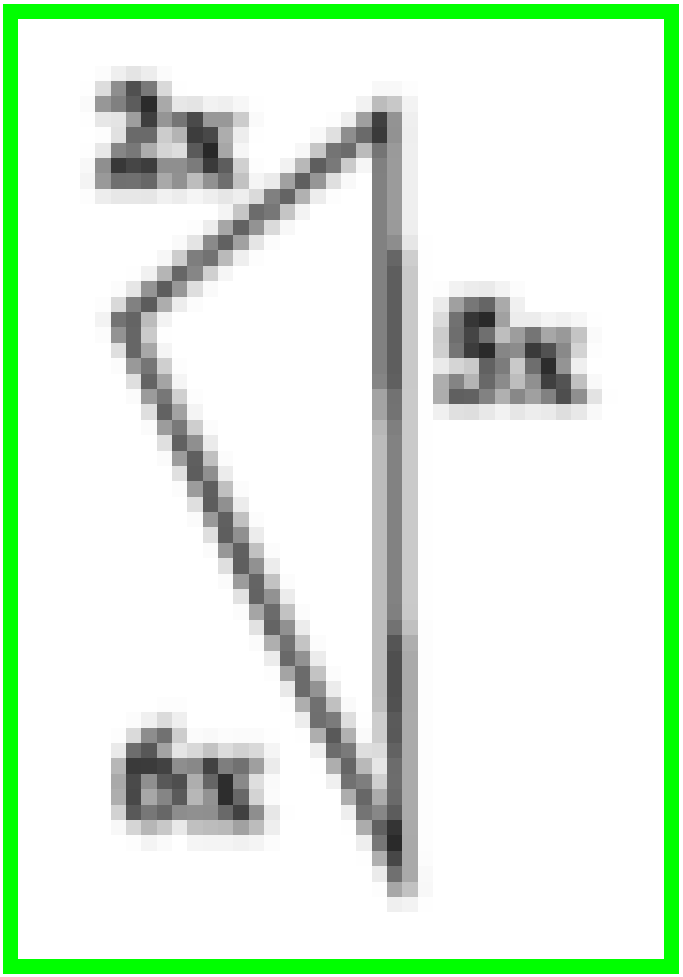
271. Find the perimeter of the given Triangle.



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272. Find the value of the Perimeter of the given Rectangle.

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273. Find the value of the monomial, : $-x$, if $x = 1$

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274. Find the value of the monomial : $4x$, if $x = 1$

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275. Find the value of the monomial : $-2x^2$, if x=1

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276. Write the expression $5x^2 - 4 - 3x^2 + 6x + 8 + 5x - 13$ in its simplified form. Find its value when x= -2

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277. Simplify:

$2x^2 + 5x - 1 + 8x + x^2 + 7 - 6x + 3 - 3x^2$

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278. Find the perimeter of a triangle whose sides are 2a+3b, b-a, 4a-2b

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279. Subtract the second expression from the first expression: $x + 2y + z, -x - y - 3z$

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280. Subtract the second expression from the first expression: $3a^2 - 8ab - 2b^2$, $3a^2 - 4ab + 6b^2$

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281. Subtract the second expression from the first expression: $7 - 2x - 3x^2, 2x^2 - 5x - 3$

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282. The sum of 3 expressions is $8 + 13a + 7a^2$. Two of them are $2a^2 + 3a + 2$ and $3a^2 - 4a + 1$. Find the third expression.

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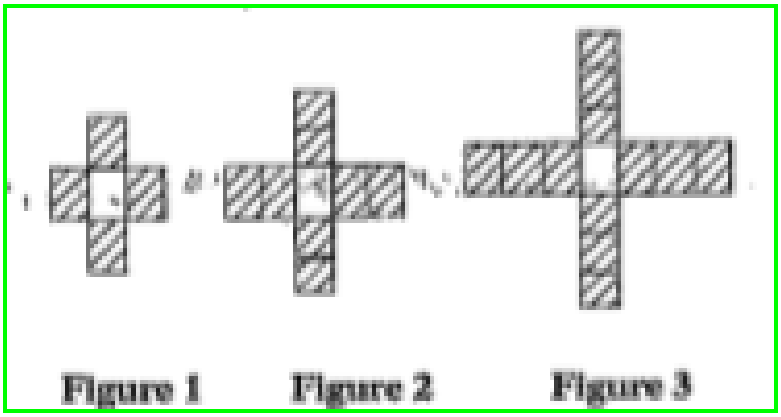
283. draw the next two figures in the pattern.



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284. fill the table given and express the pattern in the form of an algebraic expression.

Figure Number	1	2	3	4	5
Number of coloured tiles	4				

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285. Add the algebraic expressions using both horizontal and vertical methods. And find out did you get the same answer with both

methods: $4a^2 + 5b^2 + 6ab$, 3ab , $6a^2 - 2b^2$, $4b^2 - 5ab$

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286. Add the algebraic expressions using both horizontal and vertical methods. And find out did you get the same answer with both methods: $2x + 9y - 7z$, $3y + z + 3x$, $2x - 4y - z$

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287. What is the degree of the monomial : 7y

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288. What is the degree of the monomial : $-xy^2$

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289. What is the degree of the monomial : xy^2z^2

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290. What is the degree of the monomial : $-11y^2z^2$

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291. What is the degree of the monomial : 3mn

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292. What is the degree of the monomial : $-5pq^2$

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293. If $x = 1$, then the value of $x^2 - x + 1 =$ .....

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294. find the value of the expression 2x+x--2x+7x=.....

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295. If $x = -1$, then the value of $3x^2 =$ .....

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296. If $x = 1$ and $y = 2$, then the value of $x^2 - y^2 =$ .....

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297. 18pq-15pq-9pq=.....

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298. Degree of 7pq is.....

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299. Degree of the expression $18x^3 + 7x^2$ is.....

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300. The Final Value of the Expression : $13m + 12m - 5m = ...$

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301. The Final Value of the Expression : $3a^2 - a^2 - a^2 - a^2 = ...$

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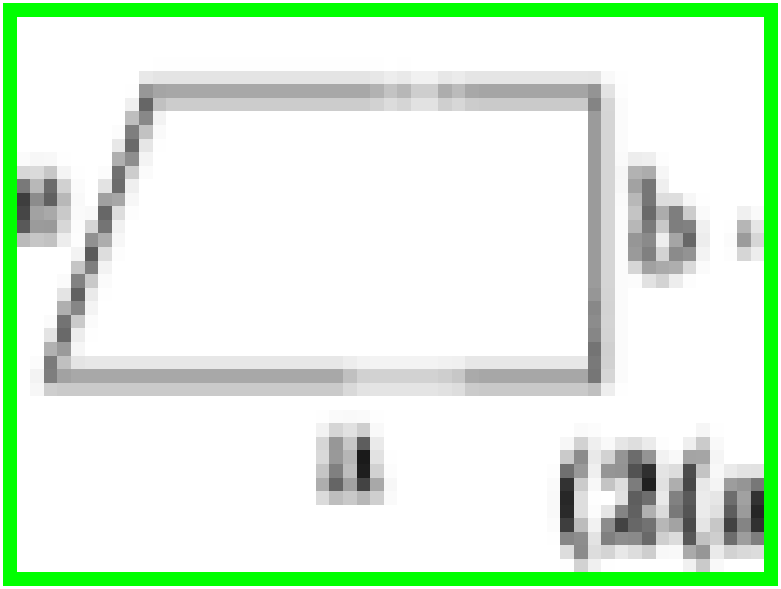
302. Perimeter of rectangle .....



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303. $2a + b - (a - b)$=.....

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304. Add the following terms: $x - 2y, 3x + 4y$

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305. $3x + (-3x)$=.....

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306. Simplify the given Expression : $5x^2 + 9x + 6 + 4x + 3x^2 - 8 + 5 - 6x.$

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307. If $x = 1$ and $y = 0$, then the value of the Expression : $x^4 + y^3$=.....

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308. If $x = -3$, then the value of the Expression $-9x =$ .....

Watch Video Solution

309. The Final Value of the Expression : $8x-(-15x)=$ .....

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310. The Degree of 9 is.....

Watch Video Solution

311. The Degree of $2xyz$ is.....

Watch Video Solution

312. Degree of $3x3 + 7x^2 + 1$ is.....

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313. (True/false) $7x^2 + 2x - 1$ is in standard form.

Watch Video Solution

314. (True/false) $a^2, b^2, 3a^2, 4b^2$ are like terms.

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315. (True/false) 3m, 4m ,8m, 6m are unlike term.

Watch Video Solution

316. The Coefficient of the term mn in the Expression $3mn$ is.....

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317. Number of terms in trinomial is.....

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318. Number of terms in Monomial is....

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319. The Value of the Expression $(5x)^0 =$ .....

Watch Video Solution

320. 9+(6-5)=.....

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321. Number of terms in $x + z + y + 1$ is .....

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322. Coefficient of x in 3x

Watch Video Solution

323. The Symbolic form of : p multiplied by -7 is....

Watch Video Solution

324. Additive inverse of $-7x+1$ is.....

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325. Which of the following are like terms-

A. a and a^2

B. 2c and 3c

C. a,b

D. None

Answer:

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326. Final Value of the Expression $3x - 2x - 2x =$

A. $-x$

B. $5x$

C. $2x$

D. $3x$

Answer:

Watch Video Solution

327. $2a + b + a - b$=

A. 3a

B. 2a

C. 8a

D. -a

Answer:

Watch Video Solution

328. The value of the Expression : $7 - 2x + 2x + 1 =$

A. 7

B. 1

C. 9

D. 8

Answer:

 Watch Video Solution

329. An expression containing two terms is called .....

A. Monomial

B. Binomial

C. Trinomial

D. None

Answer:

Watch Video Solution

330. The Value of the Expression : $6xy - 2xy + 1 =$ .....

A. $4xy$

B. $4x + 1$

C. $4xy + 1$

D. $2xy - 1$

Answer:

Watch Video Solution

331. The degree of any constant term is.....

A. 8

B. -2

C. 0

D. 1

Answer:

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332. The final value of the Expression : $a - b - b - a =$

A. -2b

B. a

C. -2

D. 8a

Answer:

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333. If $A = a + b$ and $B = b - c$ then the value of $A + B =$

A. $a + 2b - c$

B. $a - b + c$

C. a-b

D. c-a

Answer:

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334. $3x^2 + 7x + 1$ is an example of.....

A. Monomial

B. Binomial

C. Trinomial

D. None

Answer:

Watch Video Solution

335. Monomial contains.....terms.

A. 2

B. 3

C. 4

D. 1

Answer:

Watch Video Solution

336. Additive inverse of $-3a$ is -

A. 4a

B. -3

C. 3a

D. 8

Answer:

Watch Video Solution

337. For $x = 1$, The Value of the Expression :

$x^2 + 1 =$

A. 1

B. 2

C. 3

D. 0

Answer:

Watch Video Solution

338. The Final Value of the Expression : $5p - 6p + 4p =$

A. 3p

B. 4p

C. 8p

D. p

Answer:

Watch Video Solution

339. The Simplified Form of the Expression :

$3c + 6a - 2b - (3a + 4b - 2c) =$

A. $3a - 6b + 5c$

B. $a - 6b + 5c$

C. $8a - b$

D. None

Answer:

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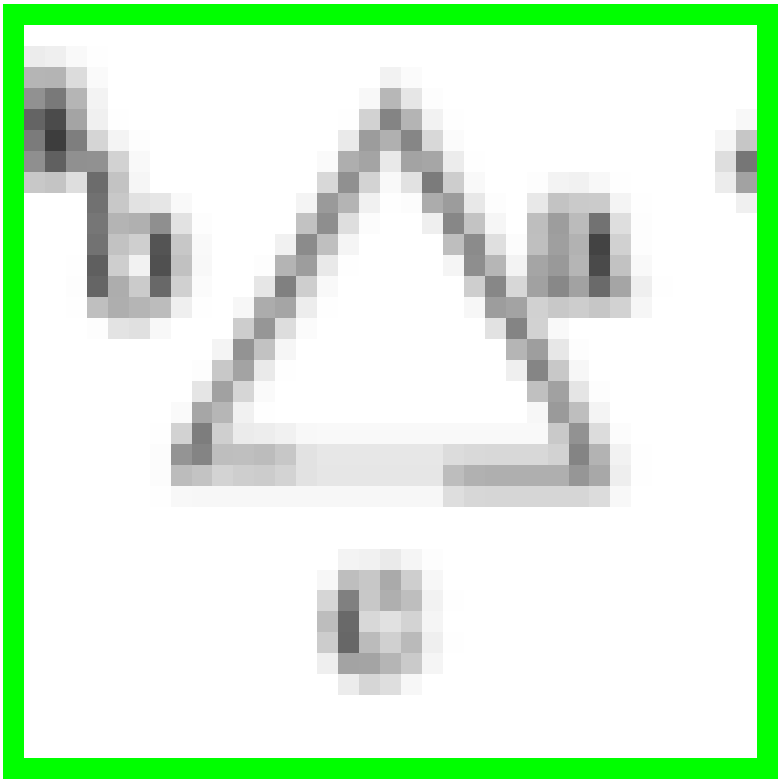
340. Perimeter of a triangle is-



A. $a - b + c$

B. $a - b - c$

C. $a + b + c$

D. b-c

Answer:

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341. The Simplified form of the Expression :

$2x^2 - 6x + 3 - 3x^2 - x =$

A. $x - 3$

B. $x^2 + 3$

C. $x^2 - 7x + 3$

D. $-x^2 - 7x + 3$

Answer:

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342. The Given Expression $a + b + c$ is an example of.....

A. Trinomial

B. Binomial

C. Multinomial

D. None

Answer:

Watch Video Solution

343. If $x = 0$ and $y = 1$, then the value of $x + y^2 =$

A. 3

B. 4

C. 0

D. 1

Answer:

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344. Area of A Rectangle is given by $A = l \times b$, if $l = 6cm$ and $b = 3cm$, then $A =$

A. 3

B. 8

C. 18

D. 118

Answer:

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345. If $x = -2$, then the value of $x^2 - 2 =$

A. 12

B. 2

C. 8

D. 9

Answer:

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346. Which of the following is in the standard form?

A. $x^2 + x$

B. $x + y^2$

C. $x^2 + 1$

D. $x^2 + x + 1$

Answer:

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347. Degree of 0 is.....

A. 0

B. 9

C. 1

D. -1

Answer:

Watch Video Solution

348. The Final value of the Expression : $mn - mn + 2mn =$

A. mn

B. 0

C. 2mn

D. 2

Answer:

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349. Additive inverse of $a - b + c =$

A. -a+b

B. $-a + b - c$

C. a-b

D. None

Answer:

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