

1. Complete the following by according to given algebraic expression .

Variables _____

$-\frac{1}{2}$ is the coefficient of _____

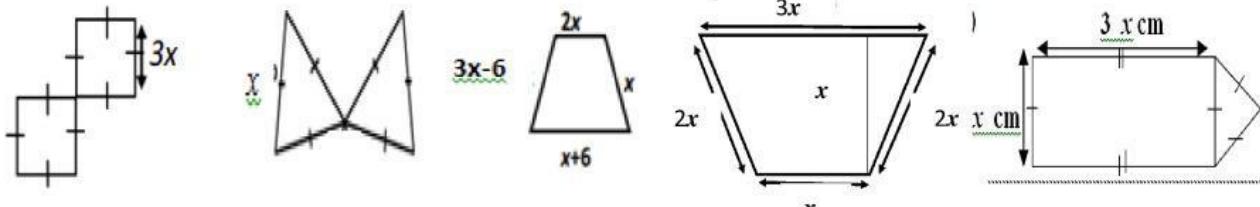
Number of terms _____

$-\frac{1}{2}y^2 + 3.67x - 5$

constant _____

coefficient of x _____

Exponent of x is _____

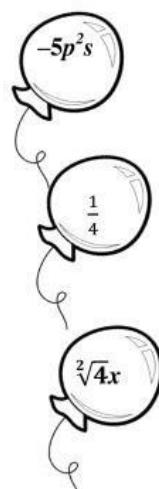
2. Drag the correct figure and drop on the box for each of the perimeter given below.

(i) $7x$ (ii) $24x$ (iii) $9x$ (iv) $6x$ (v) $8x$

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3. Complete the following table by writing the number of terms and coefficient of the required variables.

Algebraic Expressions	Number of Terms	Co-efficient of x	Co-efficient of y
(i) $6 + x^2 - x - 5y$			
(ii) $\frac{3}{4}x - 3y + 7$			

4. Match the balloons of like term .**5. Match each expression to its equivalent expression.**

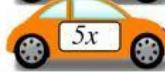
\ (i) $3x + 2x$



(ii) $5x - 3x$



(iii) $x + x - x$



6 .Identify (Encircle) each of the following statement as True or False

(i) Your age is constant.

T / F

(ii) In $3y + \sqrt{4} z$, coefficient of y is 1.

T / F

(iii) $3b$ is same as $b + b + b$.

T / F

(iv) $3.69 k + 2h$ is an example of Algebraic expression .

T / F

7. Fill in the boxes.

(i) $a + 3a = \boxed{}$

(ii) $-8 + -9 = \boxed{}$

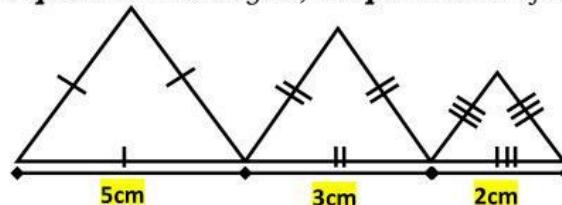
(iii) $5b - 4b = \boxed{}$

(iv) $-5d + 7d = \boxed{}$

8. Encircle the correct answer from the given options.

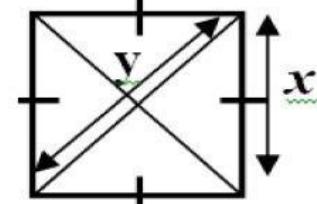
(i) The given figure is made by **three different equilateral triangles**, the **perimeter** of the whole figure is:

- (a) 15cm
- (b) 24cm
- (c) 30cm
- (d) None of these



(ii) The perimeter of figure given at right will be calculated as

- (a) $y+y+x+x+x+x$
- (b) $y+y+x+x$
- (c) $x+x+x+x$
- (d) $y+x+x+x+x$



(iii) $3y+2$ is a/an:

(a) algebraic expression	(b) algebraic sentence
(c) constant	(d) variable

(iv) $3x^2y$ & $-6x^2y$ are like terms as they have same:

(a) Coefficients	(b) Variables
(c) Exponents of variables	(d) both 'b' & 'c'

(v) If we subtract $2s - t$ from $2s$, we will get:

- (a) $-t$
- (b) $t+2s$
- (c) t
- (d) $2s+2s-t$

(vi) $3x^2y$ & $-6xy^2$ are unlike terms as they have different :

(a) Coefficients	(b) Variables
(c) Exponents of variables	(d) Constants

(vii) Which of the following is not the term of $5y^3 - 4y^2 + 3y - 8$?

- (a) $5y^3$
- (b) $-4y^2$
- (c) $-3y$
- (d) -8

(viii) Which of the following expression is equal to $2y$?

- (a) $+y - 3y$
- (b) $3y - 2y$
- (c) $y + y$
- (d) $3y + y$