

Q1 Choose the algebraic expressions

3.26x      3x+y=2      0      t      7x>y       $-\frac{1}{2}y^2-3$        $\frac{3}{4}px$

Q2 Answer the following       $-4x^2-3t+p+2$

Variables \_\_\_\_\_ no of terms \_\_\_\_\_

Coefficient of t \_\_\_\_\_ exponent of p \_\_\_\_\_

Constant \_\_\_\_\_ base having exponent 2 \_\_\_\_\_

Q3 Identify each of the statements as TRUE or FALSE

1. Coefficient of t in  $-7t \div 4$  is  $-\frac{7}{4}$ . T / F
2. The expression  $3xy \div 4.t$  has 3 terms. T / F
3. If twice the sum of length and width of rectangle is 46cm  
Then its perimeter is 23cm. T / F
4. If perimeter of square is 412cm, then length of its side is 103cm. T / F
5. The terms of algebraic expression is separated by + or – sign. T / F

Q4 Fill in the blanks

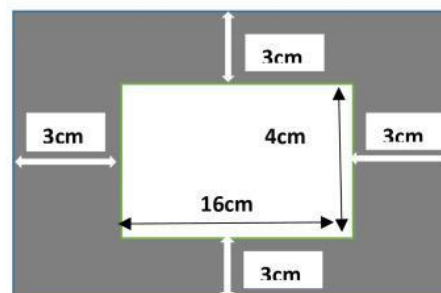
1. If area of rectangle is  $91m^2$  and its length is 13m then its width is \_\_\_\_\_m.
2. Distance covered in 2 rounds along the rectangular track which is 20m long and 10m wide is \_\_\_\_\_m
3. If product of length and width of rectangle is  $36cm^2$ , then its area is \_\_\_\_\_ $cm^2$ .
4. Cost of polishing the wooden table with dimensions 7m by 4m @Rs 100/ $m^2$  is Rs\_\_\_\_.
5. Simplified form of  $(p-2)-(p+2)$  is \_\_\_\_\_.
6. If area of square is  $196m^2$ , then length of each side is \_\_\_\_\_m.

Q5 Choose the correct answer (only one).

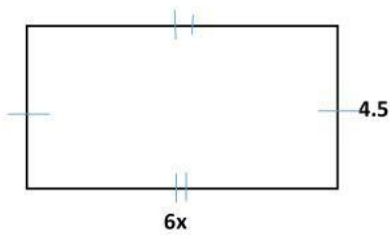
- I. In  $-3t + 4x - 3 + 4t$ , like terms are  
a)  $-3t$ ,  $-3$       b)  $4x$ ,  $4t$       c)  $-3t$ ,  $4t$       d) none of these
- II. Sum of  $x+7y-3$  and  $6x-2y+5$  is  
a)  $7x+5y+2$       b)  $7x+9y+8$       c)  $7x+5y+8$       d)  $8x+9y+2$
- III. If  $A=2a+1$   $B=-2+b+a$   $C=-4b+3$  then  $A-B+C=$ \_\_\_\_  
a)  $a+6-5b$       b)  $4a+3-b$       c)  $3a-3b+5$       d)  $-a-6+5b$
- IV. Subtract  $4a+5$  from  $8+9a$ , the result is \_\_\_\_  
a)  $3+5a$       b)  $13a+13$       c)  $-5a-3$       d)  $5a-13$
- V. Cost of fencing a square garden having length of side 7m @Rs 200/m is  
a) Rs 5600      b) Rs 9800      c) Rs 2800      d) Rs 1400

Q6 Answer the following according to figure

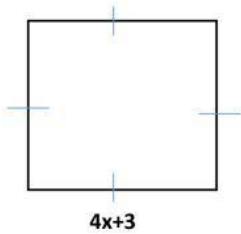
- I. Length of inner rectangle \_\_\_\_\_cm.
- II. Width of inner rectangle \_\_\_\_\_cm.
- III. Area of inner rectangle \_\_\_\_\_ $cm^2$
- IV. Length of outer rectangle \_\_\_\_\_cm
- V. Width of outer rectangle \_\_\_\_\_cm
- VI. Area of outer rectangle \_\_\_\_\_ $cm^2$
- VII. Shaded area \_\_\_\_\_ $cm^2$



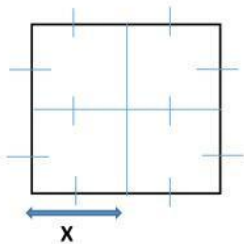
Q7 Match the figure with its perimeter



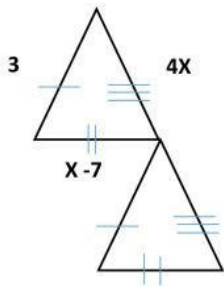
$16x+12$



$12x+9$



$10x-8$



$8x$

