

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

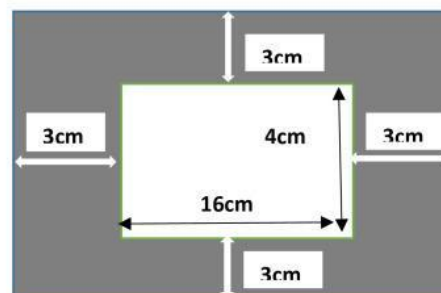
1. If area of rectangle is $91m^2$ and its length is 13m then its width is _____m.
2. Distance covered in 2 rounds along the rectangular track which is 20m long and 10m wide is _____m
3. If product of length and width of rectangle is $36cm^2$, then its area is _____ cm^2 .
4. Cost of polishing the wooden 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).

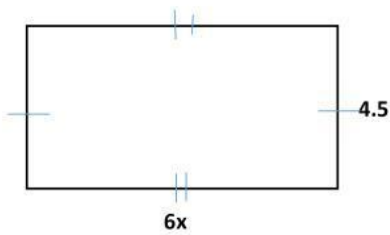
- I. In $-3t + 4x - 3 + 4t$, like terms are
a) $-3t$, -3 b) $4x$, $4t$ c) $-3t$, $4t$ d) none of these
- II. Sum of $x+7y-3$ and $6x-2y+5$ is
a) $7x+5y+2$ b) $7x+9y+8$ c) $7x+5y+8$ d) $8x+9y+2$
- III. If $A=2a+1$ $B=-2+b+a$ $C=-4b+3$ then $A-B+C=$ ____
a) $a+6-5b$ b) $4a+3-b$ c) $3a-3b+5$ d) $-a-6+5b$
- 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

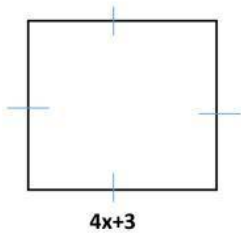
- I. Length of inner rectangle _____cm.
- II. Width of inner rectangle _____cm.
- III. Area of inner rectangle _____ cm^2
- IV. Length of outer rectangle _____cm
- V. Width of outer rectangle _____cm
- VI. Area of outer rectangle _____ cm^2
- VII. Shaded area _____ cm^2



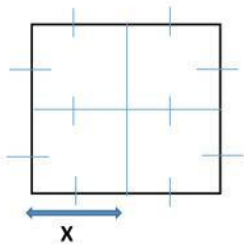
Q7 Match the figure with its perimeter



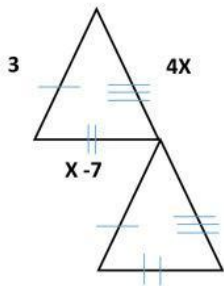
$16x+12$



$12x+9$



$10x-8$



$8x$

