

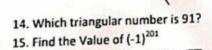
Mathematics

Part I

- Price of 1kg sugar is R.s 100 calculate the price of 150g sugar?
- Write the supple mentary angle of (180-X).
- Find the Value of (-1) (-5) by using number line.
- Calculate the value (-2.3) + (+8.12)
- Simplify -2(X-3)- (x+2)
- Find the value of 2(X-5y)-3(7-X) when X=2 and Y=-1
- 7. How many edges are in a dodecahedron?
- Fill in the cages 30X+24Y+18= (5X+□+□)
- Find the value of √676
- 10. Express 2005kg in metric tons?
- 11. Evaluate. (-1)3× 22×(-5)

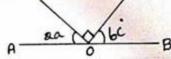
12. Fill in the cages .
$$\frac{(+6) \times \square}{(-2)} = (+15)$$

AC and DE are straight lines. Find the Value of x and y? 13.

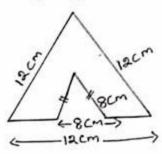


- 16. Calculate the Value of $\sqrt{9} + \sqrt{25}$
- 17. Simplify -2X (a+4) 3X (a-2)
- 18. Express 1.0102 metric tons in kg?

AOB is a straight line. Find the value of (a+3c)



20. Calculate the perimeter of the given figure.



(20x2=40 marks)

Part-II

The perimeter of a rectangle is 14X+6 and its length is 4X+2 Calculate the breadth of the rectangle.

II)



The perimeter of the triangle ABC is 18cm. Calculate the length AB?

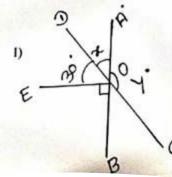
III)

The Figure shows a plan of a Foot path made by using 17 congruent hexonal cement blocks. If the length of the side of a hexagon 24cm. Find the perimeter of the path in metres.

IV) The length of a rectangle is twice and 3cm more than its breadth. If perimeter of the rectangle is 30cm. Find its breadth and length?

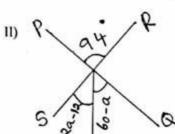
(3+3+3+3) Marks

2.



AOB and COD one straight lines. Find the Value of X and Y?

By: BMe



POQ and Sor are straight lines. Calculate the value of a?

P + C F

In the Figure.

- 1) Write two pair of complementary angles?
- 2) Write three pair of supplementary angles?
- 3) Find the Value of X?

(2+2+2+3+3) Marks

- Find the H.C.F of 3X, 12XY and 15Y.
- II) Factorize 1) 12X-4XY-20X² 2) 24X²+3XY
- III) Simplify (2X)3 x (3P)3
- IV) Find the Value of 2X3-3X when X= -2
- V) Find the Value of $(\frac{-2}{3})^3$

(2+4+2+2+2) Marks

- 4. The general term of d a number pattern is 22-4n
 - I) Find the 20th term of the number pattern?
 - II) Which term is (-26)
 - III) Find the (n-1)th term?
 - IV) Which odd number is 1001?
 - V) Which multiple of 12 is 204?
 - VI) Find the sum of the integers from 1 to 25? Which triangular number is it?

(2+2+2+2++2) Marks

5.

I)Add

5t 400kg + 3050kg

II) Subtract

152t 51kg -5t 300kg

- III) 5t 600kg of Paddy are divided in to 200 packets.
 Write the mass of paddy in a packet?
- IV) Mass of rice in a store is 5t 800kg.

 Find the mass of rice in such three stores?

Compound solid is given here.

- I) How many vertices are in the compound solid?
- II) Write the number of edges are in the compound solid?
- III) How many Faces are in the given solid?
- IV)Does compound solid satisfy the Euler's relationship? Give the reason?
- V) A solid which has only straight edges. There are nine faces and nine vertices. Find the number of edges are in that solid?
- VI) Write the number of edges are in a lcosahedren?

(2+2+2+2+2)Marks

