

**FIRST TERM - SUMMATIVE ASSESSMENT SEP- 2023****7** - Std**MATHS**

007203

Time : 2.00 Hrs

Marks : 60

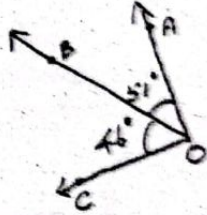
- I Choose the correct answer and write the option code.** 15 X 1 = 15
- $20 + (-9) + 9 = \dots\dots\dots$   
a) 20      b) 29      c) 11      d) 38
  - The set of integers is not closed under  
a) addition    b) subtraction    c) Multiplication      d) Division
  - The perimeter of a parallelogram whose adjacent sides are 6cm and 5 cm is ....  
a) 12cm    b) 10cm    c) 24cm    d) 22 cm
  - $(-5) - (-18) = \dots\dots\dots$  a) 23    b) -13    c) 13    d) -23
  - Which property is illustrated by the equation :  $(5 \times 2) + (5 \times 5) = 5 \times (2 + 5)$   
a) Commutative      b) Closure    c) distributive    d) associative
  - The angle between the diagonals of a rhombus is .....  
a)  $120^\circ$     b)  $180^\circ$     c)  $90^\circ$     d)  $100^\circ$
  - When the non - parallel sides of a trapezium are equal then it is known as  
a) a square    b) a rectangle    c) an isosceles trapezium    d) a parallelogram
  - The numerical co - efficient of  $-7mn$  is .....  
a) 7      b) -7      c) p      d) -p
  - The value of  $7a - 4b$  when  $a = 3$ ,  $b = 2$  is..... a) 21    b) 13    c) 8    d) 32
  - When we subtract 'a' from '-a' we get .....  
a) 0      b) 2a      c) -2a    d) -a
  - The generalization of the number pattern 3, 6, 9, 12 ... is  
a) n      b) 2n      c) 3n      d) 4n
  - A straight angle measures a)  $45^\circ$       b)  $90^\circ$       c)  $180^\circ$     d)  $100^\circ$
  - Vertically opposite angles are a) not equal in measure    b) complementary  
c) supplementary      d) equal in measure
  - 35 cycles were produced in 5 days by a company then ..... cycles will be produced in 21 days.    a) 150    b) 70    c) 100    d) 147
  - 12 cows can graze a field for 10 days. 20 cows can graze the same field for ..... days.    a) 15    b) 18    c) 6    d) 8
- II Fill in the blanks.** 5 x 1 = 5
- The variable in the expression  $16x - 7$  is .....
  - The sum of all angles at a point is .....
  - The additive inverse of  $-37xyz$  is .....
  - $(-30) + \dots\dots\dots = 60$ .
  - If the cost of 7m cloth is Rs. 294, then the cost of 5m of cloth is .....
- III Say true or false.** 5 x 1 = 5
- Area of the trapezium =  $\frac{1}{2} \times h(a + b)$  sq. units.
  - $(-125) + 25 = -100$ .
  - $15 - (-18)$  is the same as  $15 + 18$ .
  - Distance travelled by a bus and time taken are in direct proportion.
  - $2pq$  and  $-7qp$  are like terms.

**IV Note : Answer any six questions.**

6 x 2 = 12

26. Find the values and compares the answer  $(-6) - (-2)$  and  $(-6) + 2$ .
27. One of the sides and the corresponding height of the parallelogram are 12m and 8m respectively. Find the area of the parallelogram.
28. Add 60 and  $(-50)$ .
29. The parallel sides of a trapezium are 23cm and 12cm. The distance between the parallel sides is 9cm. Find the area of the trapezium.
30. If  $x = 3$ ,  $y = 2$  find the value of  $4x + 7y$ .
31. 60 workers can spin a bale of cotton in 7 days. In how many days will 42 workers spin it?

32. In figure, find  $\angle AOC$ .



33. Add the expressions :  $8x + 3$  and  $1 - 7x$ .
34. If 6 children shared 24 pencils equally then how many pencils are required for 18 children?
35. Check whether the pair of adjacent angles will make linear pair?  
i)  $89^\circ$ ,  $91^\circ$  ii)  $117^\circ$ ,  $62^\circ$ .

**V Answer any six questions.**

6 x 3 = 18

36. A fruit seller sold 5kg of Mangoes at a profit of Rs.15 per kg and 3kg of apples at a loss of Rs. 30 per kg. Find the whether it is a profit or loss.
37. If area of parallelogram is 221 sq.mm and height 17mm then find base value?
38. Sita saved Rs. 225.00 and she has spent Rs. 400 on credit basis for the purchase of stationary. Find the due amount.
39. The area of a rhombus is 100sq.cm and length of one of its diagonals is 8cm. Find the length of the other diagonal.
40. A person has Rs. 960 in denominations of Rs.1, Rs. 5 and Rs. 10 notes. The numbers of notes in each denomination is equal. What is the total number of notes?
41. Two angles are in the ratio 3 : 2. If they are linear pair, find them.
42. Anbu bought 2 note books for Rs. 24. How much money will be needed to buy 9 such note books?
43. Subtract  $2x - 5y$  from  $4x + 3y$ .
44. If takes 120 minutes to need a gardens with 6 gardeners. If the same work is to be done in 30 minutes, how many more gardeners are needed?

**VI Answer the following question.**

1 x 5 = 5

45. a) Construct a perpendicular bisector of the line segment AB = 6cm. (OR)  
b) Construct the angle  $120^\circ$  using ruler and compass only.

7 - Marks Page - 2