

Tsi7M

Tenkasi District
Summative Assessment - September 2023



22-09-2023

Standard 7

Time: 2.00 Hrs.

MATHS

Marks: 60

PART - A**I. Choose the correct answer:****5×1=5**

- 1) $(-10) + (+7) =$
a) +3 b) -3 c) -17 d) +17
- 2) The area of a parallelogram whose base 10m and height 7m is
a) 70 sq.m b) 35 sq.m c) 7 sq.m d) 10 sq.m
- 3) The numerical co-efficient of $-7mn$ is
a) 7 b) -7 c) p d) -p
- 4) If the cost of 3 books is Rs. 90, then find the cost of 12 books
a) Rs. 300 b) Rs. 320 c) Rs. 360 d) Rs. 400
- 5) The sum of all angles at a point is
a) 360° b) 180° c) 90° d) 0°

II. Fill in the blanks:**5×1=5**

- 6) $-44 + \underline{\hspace{2cm}} = -88$
- 7) The variable in the expression $16x-7$ is .
- 8) The addition of $-7b$ and $2b$ is .
- 9) An angle whose measure is exactly 90° is called a .
- 10) A tetromino is a shape obtained by squares together.

III. Say True or False:**5×1=5**

- 11) $(-675) - (-400) = -1075$
- 12) $x + (-x) = 0$
- 13) $8 \times (-4) = 32$
- 14) If Mallika walks 1km in 20 minutes, then she can cover 3 km in 1 hour.
- 15) The expressions $8x+3y$ and $7x+2y$ cannot be added.

IV. Match the following:**5×1=5**

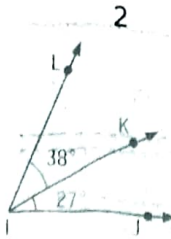
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|-------------------------------|---------------------------------------|
| 16) Area of the Square | - $b \times h$ sq.units |
| 17) Area of the Rectangle | - $\frac{1}{2}h(a+b)$ |
| 18) Area of the Rhombus | - $\ell \times b$ sq.units |
| 19) Area of the Trapezium | - a^2 sq.units |
| 20) Area of the Parallelogram | - $\frac{1}{2} \times d_1 \times d_2$ |

PART - B**V. Answer ANY 10 questions:****10×2=20**

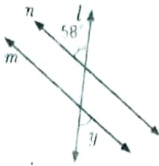
- 21) Add using the number line: 8 and -12
- 22) Find 5 pairs of integers that add up to 2.
- 23) When Kala woke up her body temperature was 102°F . She took medicine for fever. After 2 hours it was 2°F lower. What was her temperature then?
- 24) Find the product of : $(-35) \times 22$
- 25) The product of two integers is -135. If one number is -15. Find the other integer.
- 26) Divide (-72) by 8.
- 27) Find the area of a rhombus whose base is 14 cm and height is 9 cm.
- 28) Identify the like terms among the following:
 $7x, 5y, -8x, 12y, 6z, z, -12x, -9y, 11z$
- 29) Subtract: $15q$ from $25q$
- 30) A dozen bananas costs Rs. 20. What is the price of 48 bananas?
- 31) 6 pumps are required to fill a water sump in 1 hr 30 minutes. What will be the time taken to fill the sump in one pump is switched off?

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- 32) Find the angle $\angle JIL$ from the given figure.



- 33) Find the measure of angle y .



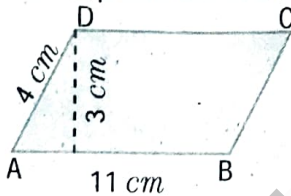
- 34) Draw a tetromino which passes symmetry.

PART - C

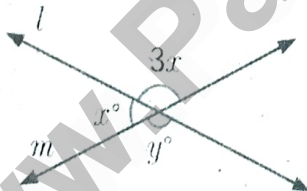
VI. Answer ANY FIVE questions:

5x3=15

- 35) Kamatchi, a fruit vendor sells 30 apples and 50 pomegranates. If she makes a profit of Rs. 8 per apple and loss Rs. 5 per pomegranate. What will be her overall profit (or) loss?
- 36) Kalaivani had Rs. 5,000 in her bank account on 01-01-2018. She deposited Rs. 2,000 in January and withdrew Rs. 700 in February. What was Kalaivanis bank balance on 01-04-2018. If she deposited Rs. 1,000 and withdrew Rs. 500 in March?
- 37) Find the area and perimeter of the parallelogram.



- 38) What should be subtracted from $2m+8n+10$ to get $-3m+7n+16$?
- 39) If 30 men can reap a field in 15 days, then in how many days can 20 men reap the same field?
- 40) Find the angles x° and y° in the figure shown.



41) Match the tetrominoes of same type:

i)		
ii)		
iii)		
iv)		

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PART - D

VII. Answer ANY ONE of the following questions:

1x5=5

- 42) Construct a perpendicular bisector of the line segment $AB = 7$ cm.
(OR)
43) Construct bisector of the $\angle ABC$ with the measure 90° .