



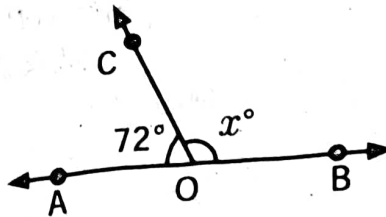
## TVL7M

2

28) Solve:  $12x+10 = 70$

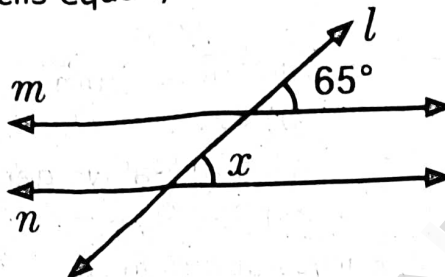
29) If  $x = 3$ ,  $y = 2$  find the value of  $3x+2y-5$

- 30) Give that AB is a straight line.
- 
- Calculate the value of
- $x^\circ$
- .



- 31) If 6 children shared 24 pencils equally then how many pencils are required for 18 children?

- 32) Find the measure of angle
- $x$
- in each of the following figure:



- 33) The area of a rhombus is 100 sq.cm and length of one of its diagonals is 8 cm. Find the length of the other diagonal.

## VI. Answer any 5 of the following:

5×3=15

- 34) Check the following for equality and if they are equal mention the property.

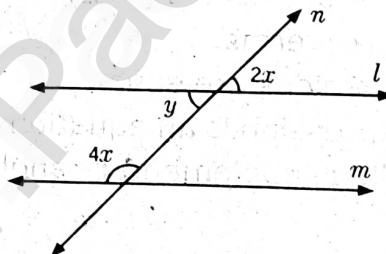
$$[(-6) \times 4] \times (-3) = (-6) \times [4 \times (-3)]$$

35) Simplify:  $(3x+2y-z) + (6x-5y+7z) - (14x+7y-6z)$

- 36) A ground is in the shape parallelogram. The height of parallelogram is 14 m, and the corresponding base is 8 m longer than its height. Find the cost of leveling the ground at the rate of Rs.15 per sq.m.

- 37) A postman can sort out 738 letters in 6 hours. How many letters can be sorted in 9 hours?

- 38) If
- $l$
- is parallel to
- $m$
- .
- 
- Find the measures of
- $x$
- and
- $y$
- in the figure.



- 39) Find two consecutive natural numbers whose sum is 75.

- 40) If the three angles at a point are in the ratio 1:4:7, find the value of each angle?

- 41) It takes 120 minutes to weed a garden with 6 gardeners. If the same work is to be done in 30 minutes. How many more gardeners are needed?

## VII. Answer any one of the following:

1×5=5

- 42) Construct a perpendicular bisector of the line segment
- $AB = 7.5$
- cm.

(OR)

Construct bisector of the  $\angle ABC$  with the measure  $80^\circ$ 

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