



- 10. Find the least common multiple of 6, 8.
- 11. Find the value of x in the following figure. AOB is a straight line.



12. When $144 = 2^2 \times 2^2 \times 3^2$ find the value of $\sqrt{144}$.

13. i. Write the mixed number $3\frac{1}{4}$ as a improper fraction.

- ii. Write $\frac{22}{7}$ as a mixed number.
- 14. Why $A\hat{O}B$ and $A\hat{O}C$ is not a pair of adjacent angles?



15. Draw any semi pure tessellation.

2.

<u>Part II</u>

- 1. In the number pattern 7, 10, 13, 16, ...
 - (i) What is the first term?
 - (ii) Find the common difference.
 - (iii) Write next two terms of the number pattern.
 - (iv) Complete the following pattern and find the nth term.

1 st term	$3 \times 1 + 4$	mathematica lk
2nd term	$3 \times 2 + 4$	mainematica.m
3 rd term	$3 \times 3 + 4$	
4 th term	$3 \times 4 + 4$	
10 th term		
n th term		

(v) Show that 80 is not a term of the above number pattern.



- (i) Find the perimeter of the above plane figure.
- (ii) What is the length of a square in which the perimeter equals to the above figure.
- (iii) The length of a rectangle is 5 cm more than its breadth. If the breath is x cm write its length as an algebraic expression in terms of x.



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- (iv) If the perimeter of the rectangle is 50 *cm* write simple equation for its perimeter. Solve the equation and
 - (a). find the length
 - (b). find the breadth



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