



[XBit Labs](https://xbitlabs.in) - Software Training Institute

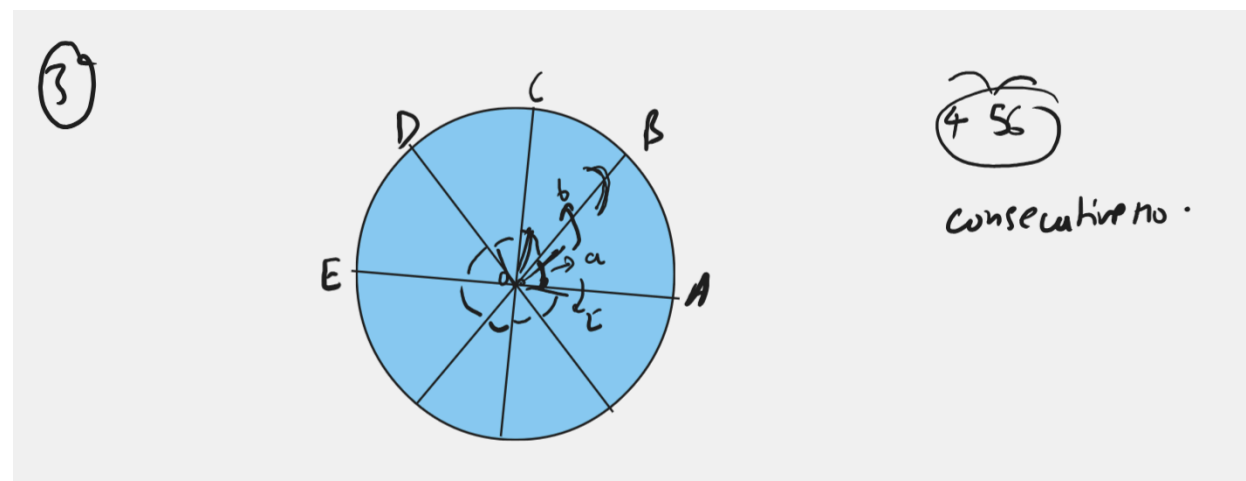
code.xbitlabs.in - Free Coding Tutorials

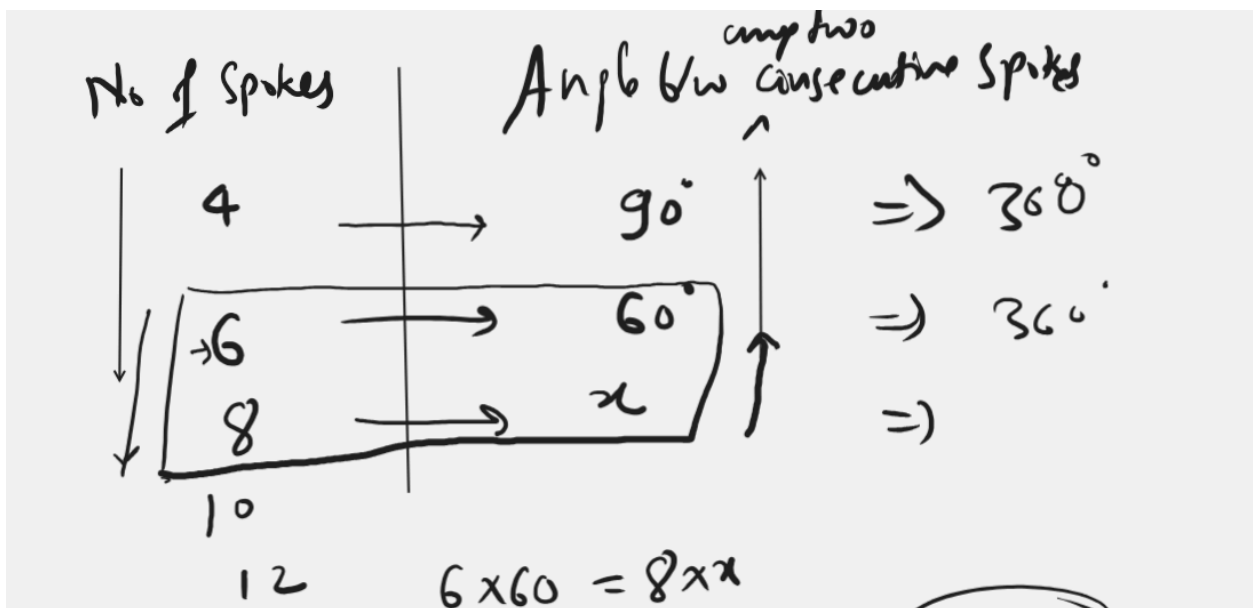
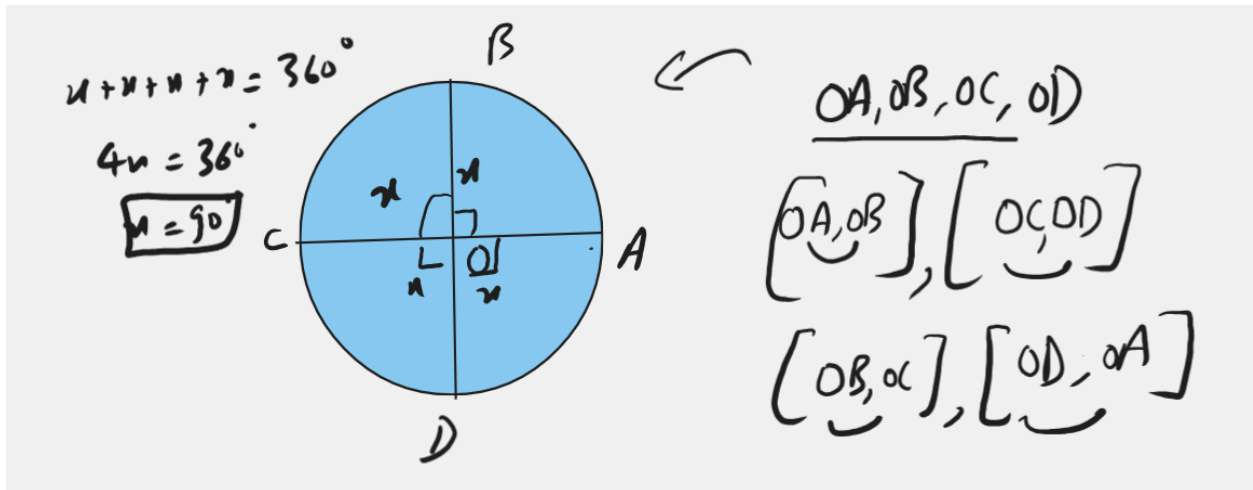
Live Training Sessions

Date :	Oct-22-2024	Board / STD	CBSE / 8
Subject :	Mathematics	Topic :	Doubts for 11.2 and 12.2

Doubts:

11.2:





		No. of men	No. of days	Task
(10)	→	2	3	→ fitting a window
(1)	→	1	26	→ i.e. house
		$x=6$		

(ii)		day	Person
		6	1
		1	x
		$\Rightarrow 6 \times 1 = 1 \times x$ $x=6$ ✓	

12.2:

Ex 12.2

(1) (1) $\rightarrow a^2 + 8a + 16$

$\downarrow \quad \downarrow \quad \downarrow$

$(a)^2 + 2 \times a \times 4 + (4)^2$

$\rightarrow (a+4)^2 \rightarrow a^2 + 4^2 + (2 \times a \times 4)$

$(a+b)^2 = a^2 + b^2 + 2ab$

$\checkmark (a-b)^2 = a^2 + b^2 - 2ab$

$(a-b)(a+b) = a^2 - b^2$

① $(l+m)^2 - 4lm$ $(a+b)^2 = a^2 + b^2 + 2ab$

$\Rightarrow \frac{l^2 + m^2 + 2lm}{\underbrace{\quad}} - \underbrace{4lm}$

$\Rightarrow \{l^2 + m^2 - 2lm\} \Rightarrow \boxed{(l-m)^2}$

$\underbrace{(l-m)} \times \underbrace{(l-m)}$

END

