XBit Labs - Software Training Institute

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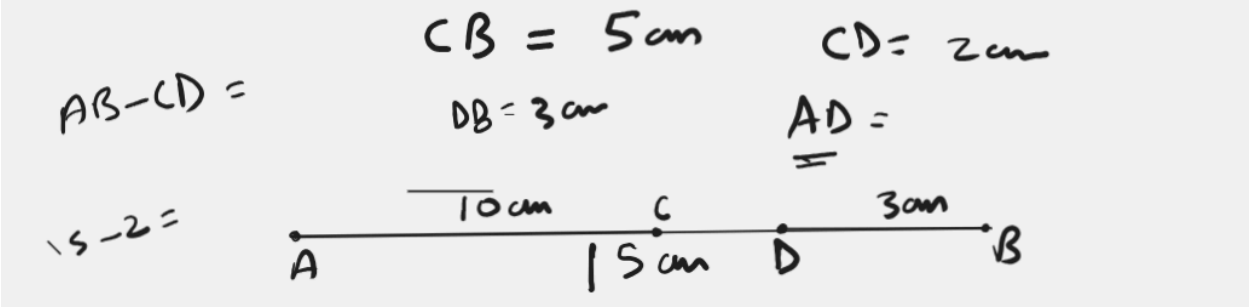
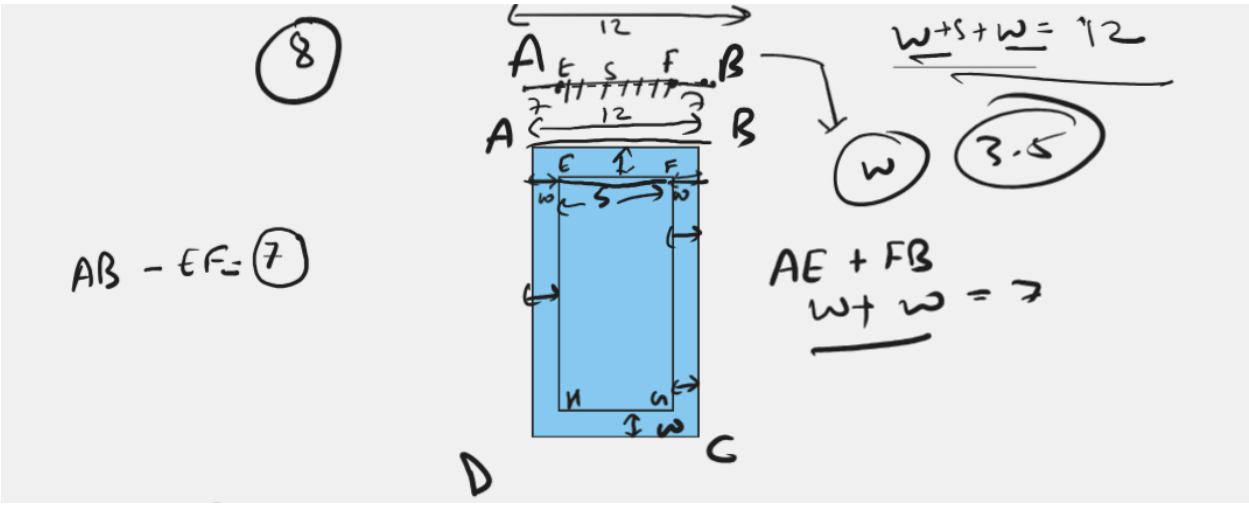
Live Training Sessions

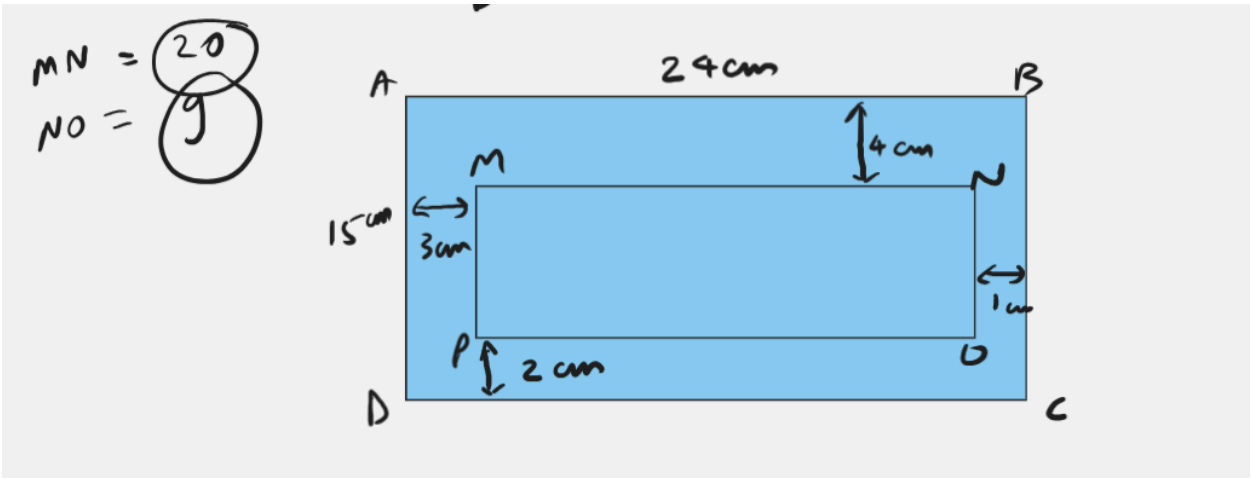
Date :	Oct-24-2024	**Board / STD**	CBSE / 8
Subject :	Mathematics	**Topic :**	Doubts for 9.1 & 12.2

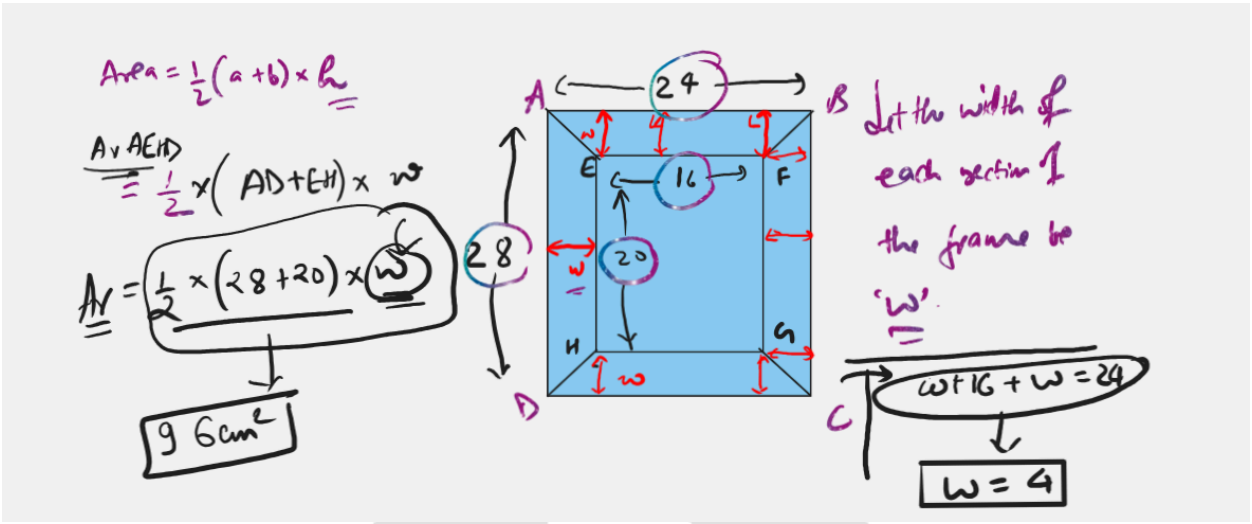
Doubts:

9.1:

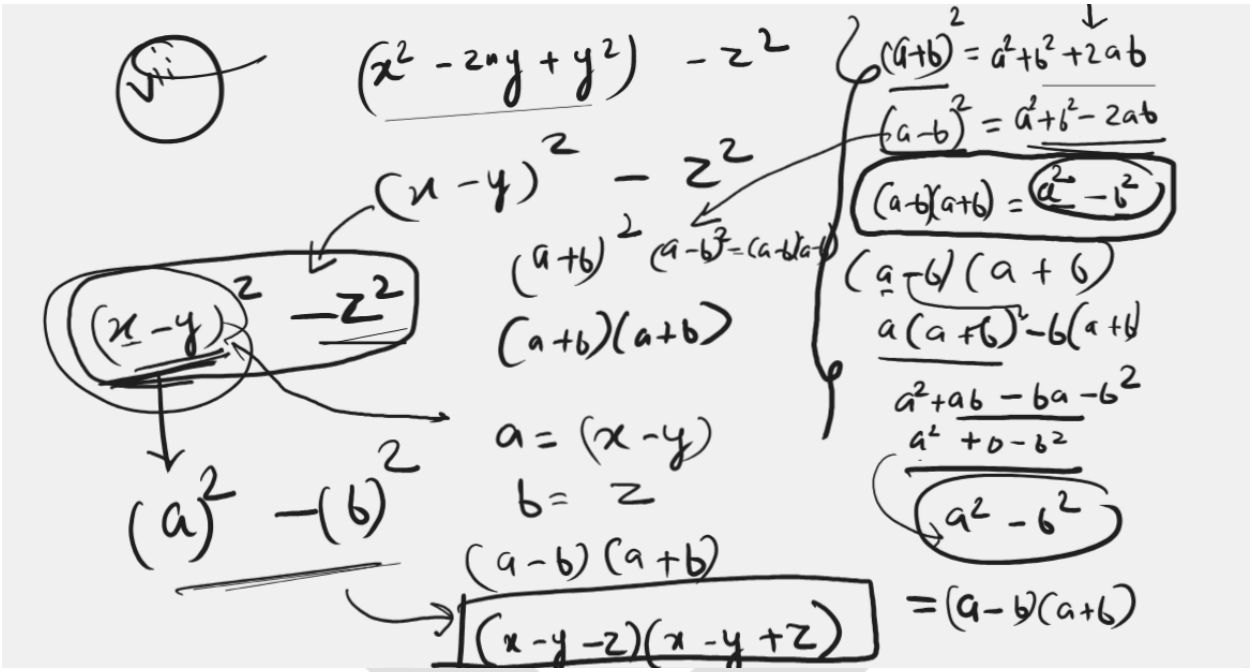


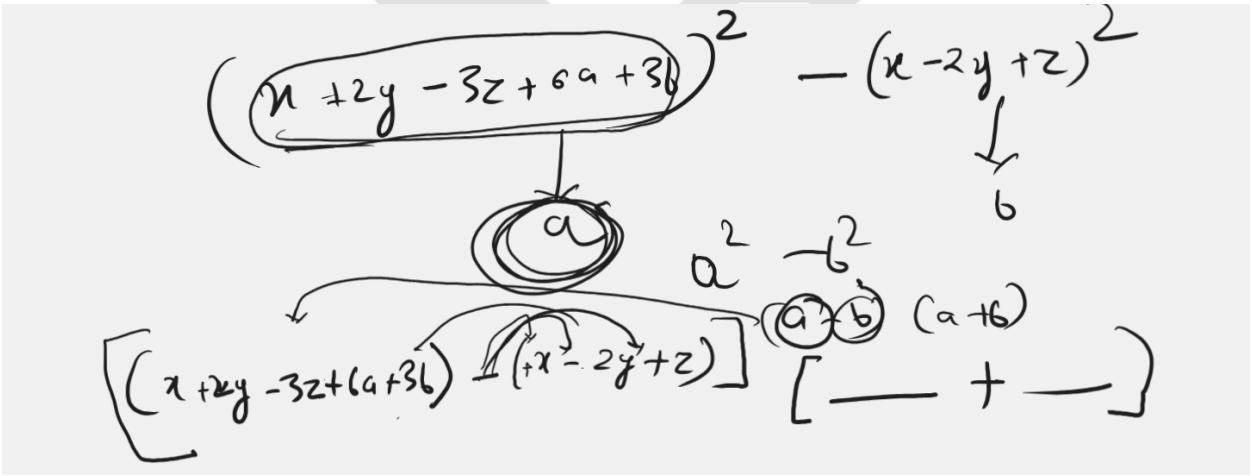



MN = 20
NO = 9
A
24 cm
B
4 cm
M
N
15 cm
3 cm
1 cm
P
2 cm
D
C


Area = ½(a+b) × h
A of AEHD
= ½ × (AD+EH) × w
A = ½ × (28+20) × w
96 cm²
A
24
B
E
16
F
28
20
H
G
D
w
Let the width of each section of the frame be 'w'.
w + 16 + w = 24
C
w = 4

12.2:


(x² - 2xy + y²) - z²
(x - y)² - z²
(x - y)² - z²
(a)² - (b)²
a = (x - y)
b = z
(a - b)(a + b)
(x - y - z)(x - y + z)
(a+b)² = a² + b² + 2ab
(a-b)² = a² + b² - 2ab
(a+b)(a+b) = a² - b²
(a+b)² (a-b)² = (a+b)(a-b)
(a+b)(a+b)
(a - b)(a + b)
a(a + b) - b(a + b)
a² + ab - ba - b²
a² + 0 - b²
a² - b²
= (a - b)(a + b)


(x + 2y - 3z + 6a + 3b)² - (x - 2y + z)²
a
b
a² - b²
(a - b)(a + b)
[(x + 2y - 3z + 6a + 3b) + (x - 2y + z)]
[— + —]

END