

$\frac{100+40}{100} \cdot x = 1.4x$  , " 40% - "

" ( )	" ( )	" ( )	
$5 \cdot 1.4x = 7x$	$1.4x$	$5$	
$9x$	$x$	$9$	

$7x + 9x = 128$  : , 128

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$$7x + 9x = 128$$

$$16x = 128 \quad /:16$$

$$\boxed{x = 8}$$

. 8 " 1 :



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$$a_4 = 11 \quad a_2 = 5$$

$$a_n = a_1 + (n-1)d$$

$$\begin{aligned} a_4 &= 11 & a_2 &= 5 \\ a_1 + (4-1)d &= 11 & a_1 + (2-1)d &= 5 \\ a_1 + 3d &= 11 & a_1 + d &= 5 \end{aligned}$$

:

$$\begin{aligned} &\begin{cases} a_1 + d = 5 \\ a_1 + 3d = 11 \quad / \cdot (-1) \end{cases} \\ + &\begin{cases} a_1 + d = 5 \\ -a_1 - 3d = -11 \end{cases} \\ &-2d = -6 \quad / : (-2) \\ &\boxed{d = 3} \\ &a_1 + 3 = 5 \\ &\boxed{a_1 = 2} \end{aligned}$$

$$.3 \quad :$$

$$?12 \quad :$$

$$.S_{15} \quad , \quad 15 \quad .$$

$$.S_n = \frac{n[2a_1 + d \cdot (n-1)]}{2}$$

$$S_{15} = \frac{15[2 \cdot 2 + 3 \cdot (15-1)]}{2}$$

$$S_{15} = \frac{15 \cdot (4 + 3 \cdot 14)}{2}$$

$$S_{15} = \frac{15 \cdot 46}{2}$$

$$\boxed{S_{15} = 345}$$

$$.345 \quad :$$

$(\frac{1}{2}) y = \frac{1}{2}x - 1$

$(2) y = 2x + 5$

$x = 0$

$y_A = 2 \cdot 0 + 5 = 5 \rightarrow \boxed{A(0, 5)}$

$y_C = \frac{1}{2} \cdot 0 - 1 = -1 \rightarrow \boxed{C(0, -1)}$

:H

$$\begin{cases} y = 2x + 5 \\ y = \frac{1}{2}x - 1 \end{cases}$$

$2x + 5 = \frac{1}{2}x - 1 \quad / \cdot 2$

$4x + 10 = x - 2$

$3x = -12 \quad / : 3$

$x = -4 \rightarrow y = 2 \cdot (-4) + 5 = -3 \rightarrow \boxed{B(-4, -3)}$

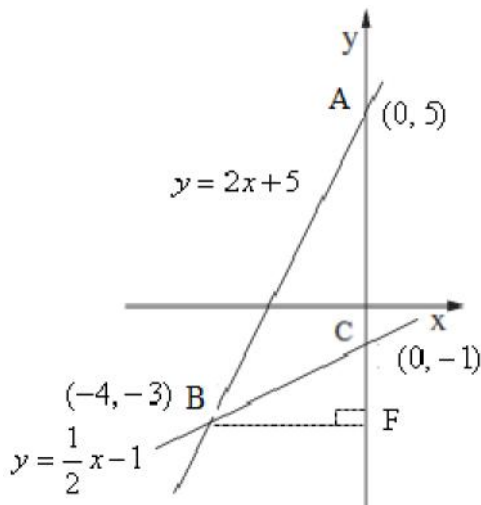
.C(0, -1) , B(-4, -3) , A(0, 5) :

$(y - y_C) = (y - (-1)) = (y + 1)$  AC

$(x - x_C) = (x - 0) = x$

$(y - y_A) = (y - 5)$

6 y - : (1)



.BF

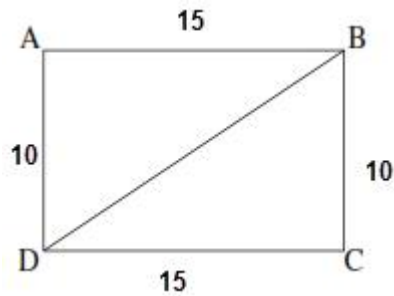
$BF = x_F - x_B = 0 - (-4) = 4$

$4$  :

.ABC (2)

$S_{\Delta ABC} = \frac{AC \cdot BF}{2} = \frac{6 \cdot 4}{2} = 12$

. " 12 ABC :



$$AD = 10 \text{ m}, \quad 15 \cdot AD = 150 \text{ m}^2$$

$$AD = 10 \text{ m}$$

$$\angle DBC$$

$$BC = AD = 10 \text{ m}$$

$$DC = AB = 15 \text{ m}$$

$\triangle BCD$

$$\tan \angle DBC = \frac{DC}{BC}$$

$$\tan \angle DBC = \frac{15}{10}$$

$$\angle DBC = 56.31^\circ$$

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$\triangle BCD$

$\triangle BCD$

$$(BD)^2 = (BC)^2 + (DC)^2$$

$$(BD)^2 = 10^2 + 15^2$$

$$(BD)^2 = 325$$

$$BD = \sqrt{325}$$

$$BD = 18.03 \text{ m}$$

$$BD = 18.03 \text{ m}$$

:

5	4	3	2	1	0	(x)
2	8	x	20	7	6	(f) -

$\frac{2}{5}$  , , 2

n -

$$\frac{20}{n} = \frac{2}{5} \quad / \cdot 5n$$

$$100 = 2n \quad / : 2$$

$$\boxed{n = 50}$$

50

$$N = f_1 + f_2 + \dots + f_n :$$

$$.50 - 6 - 7 - 20 - 8 - 2 = 7 \quad 3$$

$$. \quad 3$$

7 - :

$$. \frac{8}{50} = \frac{4}{25} = 0.16$$

$$. \frac{4}{25} = 0.16$$

. 4

8 - .

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