

35182

18

64 -  $\frac{40}{100} \cdot x = 64$   $\rightarrow 0.4x = 64$

$$\frac{40}{100} \cdot x = 64 \rightarrow 0.4x = 64$$

:

$$0.4x = 64 \quad /:0.4$$

$$\boxed{x = 160}$$

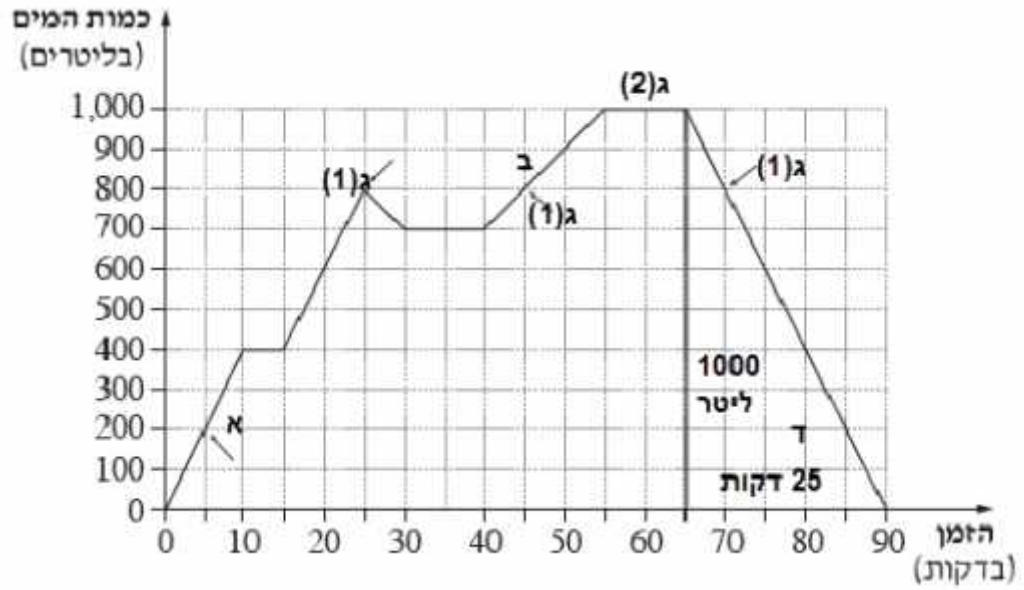
160 :

$$160 - 64 = 96$$

"	"	1	
( )	( )		
$3 \cdot 160 = 480$	160	3	
$2 \cdot 96 = 192$	96	2	

$$480 + 192 = 672$$

672 :



100

5

-

5

.(5, 200)

- 5 -

: 200 :

900

50 -

800

45 -

.900 - 800 = 100

: 100 :

800

- 70 -

, 45 -

, 25 -

(1) .

.( 1000 )

65 -

55 -

(2)

1000

65 -

0

90 -

. 1000 , 90 - 65 = 25 ,

. 1000 : 25 = 40 :

40

:

$$\cdot a_4 = 10 \quad \cdot a_2 = 4 \quad :$$

$$\cdot a_n = a_1 + (n-1)d :$$

$$a_4 = 10$$

$$a_2 = 4$$

$$a_1 + (4-1)d = 10$$

$$a_1 + (2-1)d = 4$$

$$a_1 + 3d = 10$$

$$a_1 + d = 4$$

:

$$\begin{cases} a_1 + d = 4 \\ a_1 + 3d = 10 \quad / \cdot (-1) \end{cases}$$

$$+ \begin{cases} a_1 + d = 4 \\ -a_1 - 3d = -10 \end{cases}$$

$$-2d = -6 \quad / : (-2)$$

$$\boxed{d = 3}$$

$$a_1 + 3 = 4$$

$$\boxed{a_1 = 1}$$

$$\cdot 3 \quad :$$

$$\cdot 1 \quad :$$

$$\cdot S_{19} \quad , \quad 19 \quad \cdot$$

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

$$S_{19} = \frac{19[2 \cdot 1 + 3 \cdot (19-1)]}{2}$$

$$S_{19} = \frac{19 \cdot (2 + 3 \cdot 18)}{2}$$

$$S_{19} = \frac{19 \cdot 56}{2}$$

$$\boxed{S_{19} = 532}$$

$$\cdot 532 \quad 19 \quad :$$

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$$y = 2x + 2 \quad y = 3x - 3$$

M ,

$$\begin{cases} y = 3x - 3 \\ y = 2x + 2 \end{cases}$$

$$3x - 3 = 2x + 2$$

$$x = 5 \rightarrow y = 3 \cdot 5 - 3 = 12$$

M(5, 12):

$$y = -3x + 15 \quad M(5, 12)$$

$$12 \stackrel{?}{=} -3 \cdot 5 + 15$$

$$12 \neq 0$$

\_\_\_\_\_ M(5, 12)

$$y = -3x + 15$$

$$x = 5$$

\_\_\_\_\_ , M(5, 12)

\_\_\_\_\_ y =

$$y = -3 \cdot 5 + 15 = 0$$

M

$$y = -3x + 15 :$$

(0, 0)

, M(5, 12)

$$d = \sqrt{(5-0)^2 + (12-0)^2} = \sqrt{169} = 13$$

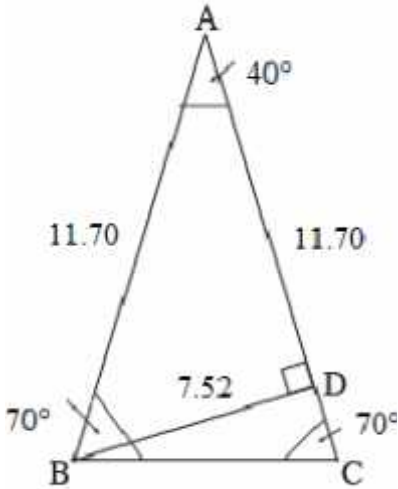
. 13

, M(5, 12)

:

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. BD .

ΔBDC

$$\sin \sphericalangle C = \frac{BD}{BC}$$

$$\sin 70^\circ = \frac{BD}{8}$$

$$8 \sin 70^\circ = BD$$

$$\boxed{BD = 7.52}$$

. " 7.52 - BD :

. AB .

)  $\sphericalangle ABC = \sphericalangle C = 70^\circ$

$$\sphericalangle A = 180^\circ - 70^\circ - 70^\circ = 40^\circ$$

ΔABD

$$\sin \sphericalangle A = \frac{BD}{AB}$$

$$\sin 40^\circ = \frac{7.52}{AB} \quad / \cdot AB$$

$$AB \sin 40^\circ = 7.52 \quad / : \sin 40^\circ$$

$$AB = \frac{7.52}{\sin 40^\circ}$$

$$\boxed{AB = 11.70}$$

. " 11.70 - ΔABC - :

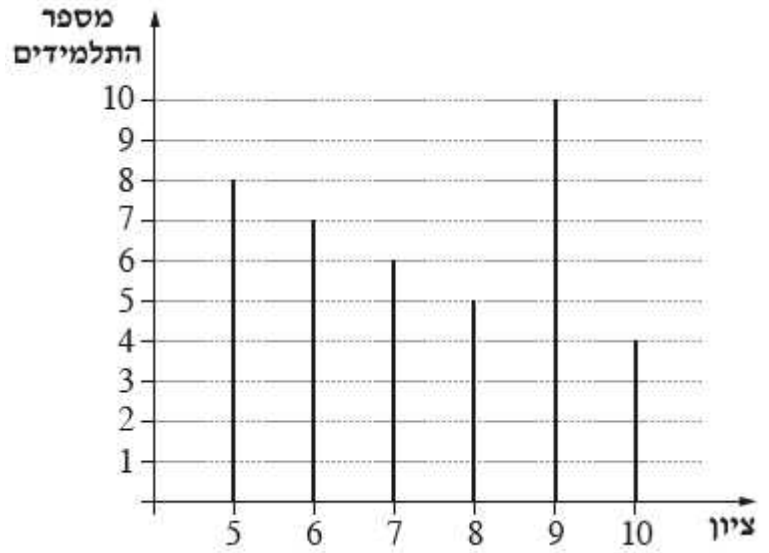
( AC = 11.70 )

: ΔABC .

$$S = \frac{AC \cdot BD}{2}$$

$$S = \frac{11.70 \cdot 7.52}{2} = " 43.99$$

. " 43.99 - ABC :



10	9	8	7	6	5	(x)
4	10	5	6	7	8	(f)

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

$$N = 8 + 7 + 6 + 5 + 10 + 4$$

$$\boxed{N = 40}$$

40

$$\bar{x} = \frac{x_1 f_1 + x_2 f_2 + \dots + x_n f_n}{N} :$$

$$\bar{x} = \frac{5 \cdot 8 + 6 \cdot 7 + 7 \cdot 6 + 8 \cdot 5 + 9 \cdot 10 + 10 \cdot 4}{40} = \frac{294}{40}$$

$$\boxed{\bar{x} = 7.35}$$

7.35

10	9	8	7	6	5	(x)
4	10	5	6	7	8	(f)
40	36	26	21	15	8	

$$\frac{40+1}{2} = \frac{41}{2} = 20.5 \quad (40)$$

$$.21 - 20 -$$

$$\frac{7+7}{2} = \frac{14}{2} = 7$$

$$7$$

$$.7$$

:

$$.9$$

,

$$.9$$

:

$$.735 -$$

,

$$.5$$

$$8$$

$$6$$

$$7,7$$

$$6$$

$$p = \frac{6+7+8}{40} = \frac{21}{40} :$$

$$1.(52.5\% = 0.525$$

$$) \frac{21}{40}$$

:

$$.6$$

$$.5$$

$$8$$

$$. p = \frac{8}{40} = \frac{1}{5} :$$

$$1.(20\% = 0.2$$

$$) \frac{1}{5}$$

: