

$y = 0$ $x =$

$y = x^2 - 6x + 8$

$0 = x^2 - 6x + 8$

$$x_{1,2} = \frac{-(-6) \pm \sqrt{(-6)^2 - 4 \cdot 1 \cdot 8}}{2 \cdot 1}$$

$$x_{1,2} = \frac{6 \pm 2}{2}$$

$$x_1 = \frac{6+2}{2} = \frac{8}{2} = 4 \rightarrow \boxed{B(4, 0)}$$

$$x_2 = \frac{6-2}{2} = \frac{4}{2} = 2 \rightarrow \boxed{A(2, 0)}$$

$B(4, 0)$, $A(2, 0)$:

$A(2, 0)$ -

$B(4, 0)$ -

$x < 2$ $x > 4$:

1 E

$x =$

$y_E = 3$

$y_E = 1^2 - 6 \cdot 1 + 8 = 3$,

$y_E = 3$:

AOE

$OA = x_A - 0 = 2 - 0 = 2$

$h_{OA} = y_E - 0 = 3 - 0 = 3$

$S_{\Delta AOE} = \frac{OA \cdot h}{2} = \frac{2 \cdot 3}{2} = 3$

" 3

AOE

:

, 7- -
 $d = 7$,
 . 105 7 -
 . 994 , 7- , -
 $d = 7$, $a_n = 994$, $a_1 = 105$:

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

$$\begin{aligned} a_n &= a_1 + (n-1)d \\ 994 &= 105 + (n-1) \cdot 7 \\ 994 &= 105 + 7n - 7 \\ 994 &= 98 + 7n \\ 896 &= 7n \\ \boxed{n = 128} \end{aligned}$$

. 7- - 128 , :

$$M_t = M_0 \cdot q^t$$

$q = \frac{100 + P}{100}$: , ()
 .t .q ()
 t - M_t , - M_0
 P

M_t	M_0	q	t
240,000	200,000	?	3

2018 2015
 $240000 = 200000 \cdot q^3 \quad /: 200000$
 $\frac{240000}{200000} = q^3$
 $1.2 = q^3$
 $q = \sqrt[3]{1.2}$
 $q = 1.06266$

$1.06266 = \frac{100 + P}{100} \quad / \cdot 100$
 $106.266 = 100 + P$
 $P = 6.266\%$

.6.266% - :

.2015 ,2014

M_t	M_0	q	t
240,000	?	1.06266	1

$240000 = M_0 \cdot 1.06266^1$
 $\frac{240000}{1.06266} = M_0$
 $M_0 \approx 188,207$

. 188,207 - ,2014 , :

. $\triangle ABD$

, AB

$\triangle ABD$

$$(BD)^2 = (AD)^2 + (AB)^2$$

$$17^2 = 8^2 + (AB)^2$$

$$289 = 64 + (AB)^2$$

$$225 = (AB)^2$$

$$AB = \sqrt{225}$$

$$\boxed{AB = 15}$$

.15 AB :

. $\sphericalangle ABD$

$\triangle ABD$

$$\sin \sphericalangle ABD = \frac{AD}{DB}$$

$$\sin \sphericalangle ABD = \frac{8}{17}$$

$$\boxed{\sphericalangle ABD = 28.07^\circ}$$

. $\sphericalangle ABD = 28.07^\circ$:

. AF

$\triangle ABF$

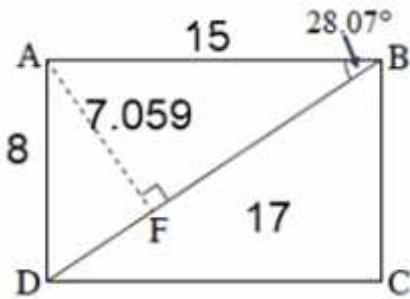
$$\sin \sphericalangle ABD = \frac{AF}{AB}$$

$$\sin 28.07^\circ = \frac{AF}{15}$$

$$15 \sin 28.07^\circ = AF$$

$$\boxed{AF = 7.059}$$

. AF = 7.059 :



ΔAFB

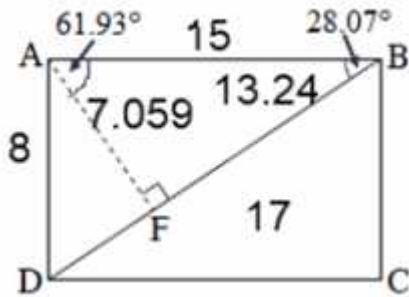
$$\sphericalangle BAF = 180^\circ - 90^\circ - 28.07^\circ = 61.93^\circ$$

$$S = \frac{1}{2} b \cdot c \cdot \sin \gamma$$

$$S_{\Delta ABF} = \frac{1}{2} \cdot AB \cdot AF \cdot \sin \sphericalangle BAF$$

$$S_{\Delta ABF} = \frac{1}{2} \cdot 15 \cdot 7.059 \cdot \sin 61.93^\circ$$

$$\boxed{S_{\Delta ABF} = 46.71}$$



ΔAFB

$$(AB)^2 = (AF)^2 + (FB)^2$$

$$15^2 = 7.059^2 + (FB)^2$$

$$226 = 49.83 + (FB)^2$$

$$175.17 = (FB)^2$$

$$FB = \sqrt{175.17}$$

$$\boxed{FB = 13.24}$$

$$S_{\Delta ABF} = \frac{FB \cdot AF}{2}$$

$$S_{\Delta ABF} = \frac{13.24 \cdot 7.059}{2}$$

$$\boxed{S_{\Delta ABF} = 46.71}$$

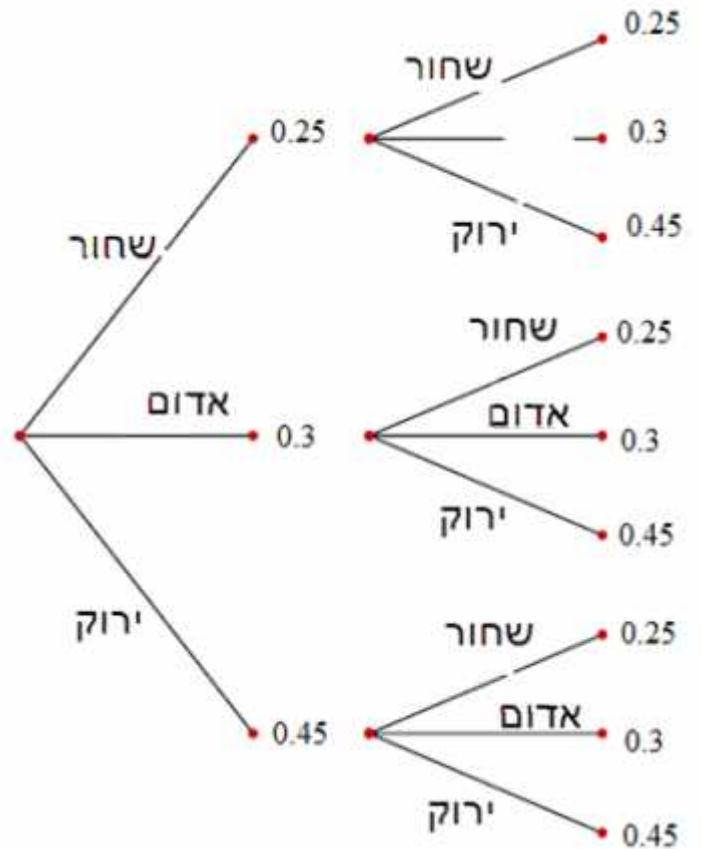
.46.71 ΔAFB :

.0.3

,0.25

. $1 - 0.25 - 0.3 = 0.45$:

.0.45



$P = 0.3 \cdot 0.3 = 0.09$:

. 0.09

60

. $0.25 \cdot 60 = 15$

. $0.3 \cdot 60 = 18$

. $0.45 \cdot 60 = 27$

27 - ,

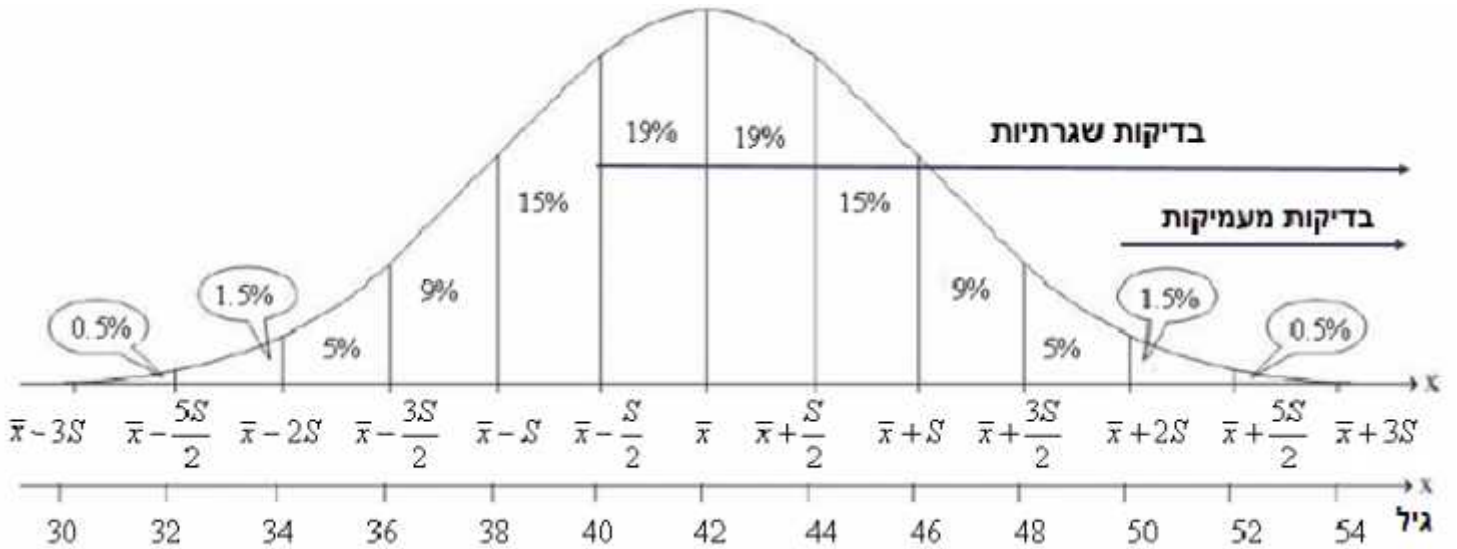
18 ,

15 :

$\bar{x} = 42$ $s = 4$:

$\frac{4}{2} = 2$

4



.40

$19\% + 50\% = 69\%$

$\frac{1}{2} \cdot 40$

69% :

.50

$0.5\% + 1.5\% = 2\%$

$2 \cdot 50$

2% :

$50 - 40$

(1)

$69\% - 2\% = 67\%$

67% :

$\frac{67}{100} = 0.67$ (2)

$(n = 6800)$

(0.67)

6,800

$0.67 \cdot 6800 = 4556$

4,556 :