

$$: y = 0 \quad x -$$

$$. y = -x^2 + 10x - 9$$

$$0 = -x^2 + 10x - 9$$

$$x_{1,2} = \frac{-10 \pm \sqrt{10^2 - 4 \cdot (-1) \cdot (-9)}}{2 \cdot (-1)}$$

$$x_{1,2} = \frac{-10 \pm 8}{-2}$$

$$x_1 = \frac{-10 + 8}{-2} = \frac{-2}{-2} = 1 \rightarrow \boxed{(1, 0)}$$

$$x_2 = \frac{-10 - 8}{-2} = \frac{-18}{-2} = 9 \rightarrow \boxed{(9, 0)}$$

$$. (1, 0), (9, 0) :$$

$$. y \quad 9 - 1 \quad x -$$

$$. y = -x^2 + 10x - 9$$

$$x = 4, \quad ,$$

$$. y = -4^2 + 10 \cdot 4 - 9 = 15$$

$$. (4, 15), \quad :$$

$$. x < 1 \vee x >$$

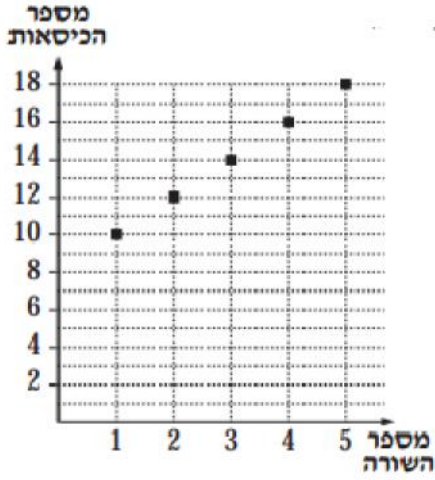
$$> x \quad \vee x > 9 \vee x >$$

$$. x < 1, \quad x > 9 :$$

(1) .

() ,+2

(1,10) , 10
 $d = 2 - a_1 = 10$,



(2,12) , 12 (2)

() $12 - 10 = 2$
 : 2

2

a_{15} ,15 -
 $d = 2 - a_1 = 10$,

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

$$a_{15} = 10 + (15-1) \cdot 2$$

$$a_{15} = 10 + 14 \cdot 2$$

$$a_{15} = 10 + 28$$

$$a_{15} = 38$$

38 ,15 - :

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

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

. 200,000 " "
 $q = \frac{100+5}{100} = \frac{105}{100} = 1.05$: , 5%

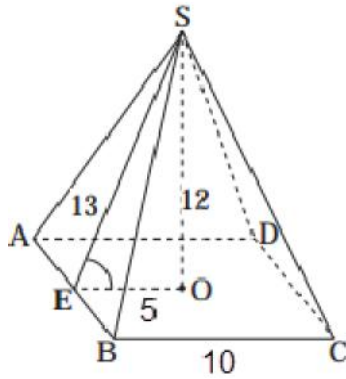
M_t	M_0	q	t
?	200,000	1.05	3

$M_3 = 200,000 \cdot 1.05^3$
 $M_3 = 231,525$

. 231,525 3 :

. 200,000 " "
 .15% 3 _____
 $\frac{100+15}{100} \cdot 200,000 = 1.15 \cdot 200,000 = 230,000$ 3 ,

. 230,000 , 231,525 , :



. \sphericalangle SEO .

\triangle SEO

$$\sin \sphericalangle SEO = \frac{SO}{SE}$$

$$\sin \sphericalangle SEO = \frac{12}{13}$$

$$\boxed{\sphericalangle SEO = 67.38^\circ}$$

. \sphericalangle SEO = 67.38° :

EO .

\triangle SEO

$$(SE)^2 = (EO)^2 + (SO)^2$$

$$13^2 = (EO)^2 + 12^2$$

$$169 = (EO)^2 + 144$$

$$25 = (EO)^2$$

$$EO = \text{" } 5$$

O ,

$$BC = 2EO = 2 \cdot 5 = \text{" } 10$$

. BC = " 10 , EO = " 5 :

. " 320 SABCD .

$$V_{SABCD} = \frac{AB \cdot BC \cdot SO}{3}$$

$$320 = \frac{AB \cdot 10 \cdot 12}{3}$$

$$320 = 40AB \quad /: 40$$

$$AB = \text{" } 8$$

. AB = " 8 :

35802

14

_____ - , , .
 $P(0) = \frac{1}{2}, P(400) = \frac{1}{3}, P(800) = \frac{1}{6}$
 .() , ()
 .(3·3=9) 9 , 3

(0, 0), (0, 400), (0, 800), (400, 0), (400, 400), (400, 800), (800, 0), (800, 400), (800, 800) :

.(800, 800) : 1,600

. $P(1600 \text{ shekel}) = \frac{1}{6} \cdot \frac{1}{6} = \frac{1}{36}$ 1,600

· $\frac{1}{36}$:

: 800

(0, 800), (400, 400), (800, 0)

$P(800 \text{ shekel}) = \frac{1}{2} \cdot \frac{1}{6} + \frac{1}{3} \cdot \frac{1}{3} + \frac{1}{6} \cdot \frac{1}{2} = \frac{5}{18}$

· $\frac{5}{18}$:

$.0.5\% + 1.5\% + 5\% = 7\%$

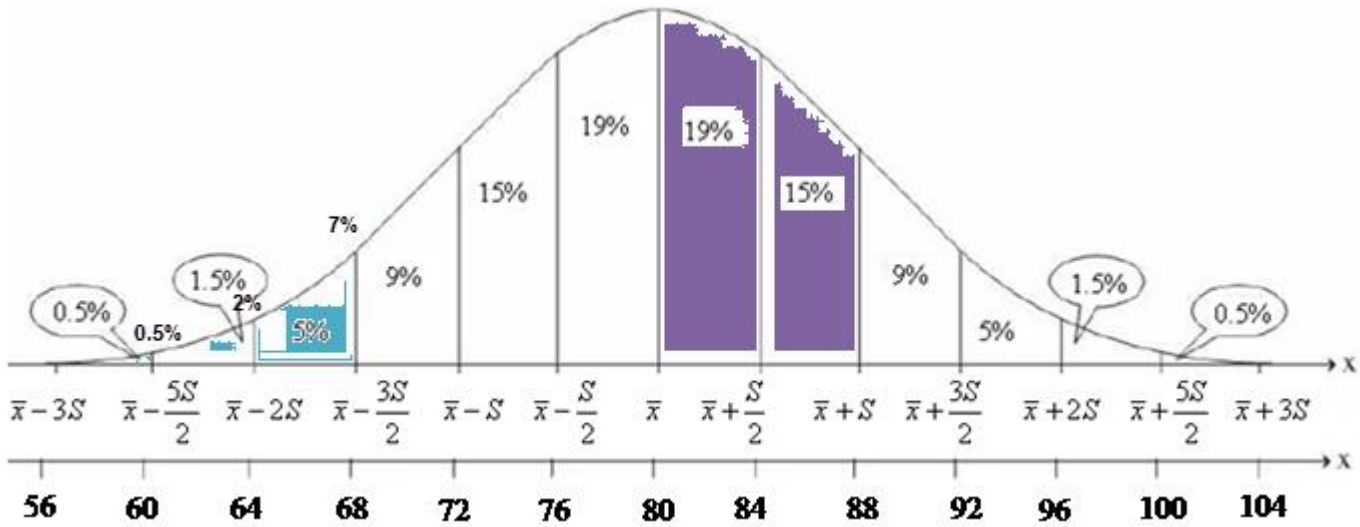
$.68 - .80 = 7\%$

$\frac{3}{2} = 1.5$

$80 - 68 = 12$

$\frac{3}{2} S = 12$

$8 : 12 = 2 : 3$



$88 - 80 = 8$

$.15\% + 19\% = 34\%$

$.88 - 80 = 8$

$1,000$

$\frac{34}{100} = 0.34$

$0.34 \cdot 1000 = 340$

$.88 - 80 = 8$