

$$.25\% \quad , \quad 80 \quad .$$

$$\cdot \frac{100-25}{100} \cdot 80 = 0.75 \cdot 80 = \quad 60 \quad , \quad ,$$

$$\cdot \quad 60 \quad :$$

$$\cdot \quad x \quad .$$

$$\cdot \quad 25\% \quad , \quad 21 \quad -$$

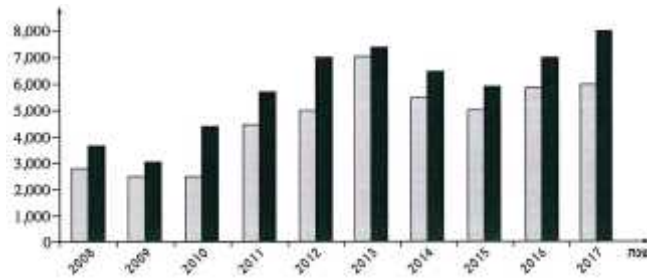
$$\cdot \frac{25}{100} \cdot x = 21 \quad \rightarrow 0.25x = 21$$

:

$$0.25x = 21 \quad /: 0.25$$

$$\boxed{x = 84}$$

$$\cdot \quad 84 \quad :$$



.()

.()

. 1,000,000,000 = 1 . 1,000,000 = 1

.(7) 7,000 ,2013 .

2013 :

,2017 .

.(8) 8,000

2017 :

, , .

4 - , 4000 -

. 2010 - , 2009 , 2008 :

, , .

4,000,000,000 - , 4000 -

. 4,000,000,000 - 2009 - 2008 :

. 8,000,000,000 ,2017 .

. 6,000,000 ,2017

$$\frac{8,000,000,000}{6,000,000} = 1333\frac{1}{3} , ,$$

. 1333 $\frac{1}{3}$,2017 , :

$$d = 4, a_3 = 17, \quad 16 \quad :$$

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

$$a_3 = a_1 + (3-1)d$$

$$17 = a_1 + 2 \cdot 4$$

$$17 = a_1 + 8$$

$$a_1 = 9$$

$$, \quad 11 \quad ,$$

$$a_{11} = a_1 + (11-1)d$$

$$a_{11} = 9 + 10 \cdot 4$$

$$\boxed{a_{11} = 49}$$

$$. a_{11} = 49 :$$

$$. a_{16} \quad , \quad 16 \quad ,$$

$$a_{16} = a_1 + (16-1)d$$

$$a_{16} = 9 + 15 \cdot 4$$

$$\boxed{a_{16} = 69}$$

$$. 69 \quad :$$

$$, \quad 6 \quad .$$

$$. a_{11} = 49 \quad 4$$

$$. 49, 53, 57, 61, 65, 69 : ,$$

$$. 49 + 53 + 57 + 61 + 65 + 69 = 354 :$$

,

$$. a_{16} = 69$$

$$a_{11} = 49$$

$$S_6 = \frac{6 \cdot (49 + 69)}{2}$$

$$S_6 = 3 \cdot 118$$

$$\boxed{S_6 = 354}$$

$$. 354 \quad 6 \quad :$$

"

. x - () $y = -\frac{1}{4}x + 6$ - () $y = 2x - 3$.

. y = 0 x -

$0 = 2x - 3$
 $-2x = -3 \quad /: (-2)$
 $x = -1.5$

. A(1.5, 0)

$0 = -\frac{1}{4}x + 6$
 $\frac{1}{4}x = 6 \quad /: (\frac{1}{4})$
 $x = 24$

. C(24, 0)

:

$$\begin{cases} y = -\frac{1}{4}x + 6 \\ y = 2x - 3 \end{cases}$$

$$2x - 3 = -\frac{1}{4}x + 6$$

$$2\frac{1}{4}x = 9 \quad /: 2\frac{1}{4}$$

$$x = 4 \rightarrow y = 2 \cdot 4 - 3 = 5$$

. B(4, 5) :

. A(1.5, 0), B(4, 5), C(24, 0) :

. AC

. $AC = 24 - 1.5 = 22.5$

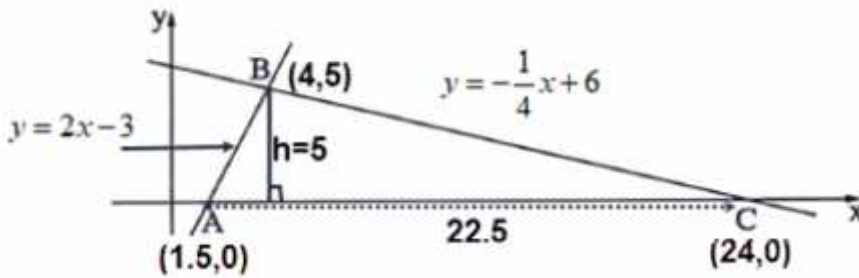
. ' 22.5 AC :

. ' $5 - 0 = 5$ AC B(4, 5) , h ,

$$S_{\triangle ABC} = \frac{AC \cdot h}{2} = \frac{22.5 \cdot 5}{2} = 56.25$$

. " 56.25 ABC :

"



. $\triangle ABC$ -

, BC

$$(BC)^2 + (AB)^2 = (AC)^2$$

$$(BC)^2 + 4^2 = (\sqrt{52})^2$$

$$(BC)^2 = 52 - 16 = 36$$

$$\boxed{BC = 6}$$

. " 6 BC :

. BC D

$$. BD = DC = \frac{6}{2} = 3 :$$

. " 3 BD :

. $\angle BAD$

$\triangle ABD$

$$\tan \angle BAD = \frac{BD}{AB}$$

$$\tan \angle BAD = \frac{3}{4}$$

$$\boxed{\angle BAD = 36.87^\circ}$$

. $\angle BAD = 36.87^\circ$:

. $\angle BAC$

$\triangle ABC$

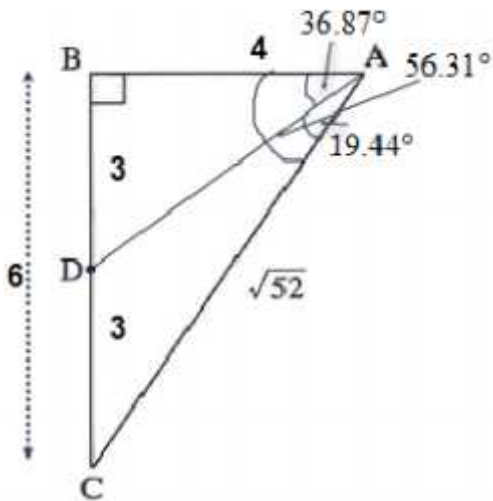
$$\tan \angle BAC = \frac{BC}{AB}$$

$$\tan \angle BAC = \frac{6}{4}$$

$$\boxed{\angle BAC = 56.31^\circ}$$

$$\angle DAC = 56.31^\circ - 36.87^\circ = 19.44^\circ :$$

. $\angle DAC = 19.44^\circ$:



300	200	
600	800	

$$200 + 800 + 300 + 600 = 1900 :$$

$$\frac{1900}{1900} = 1$$

$$200 + 300 = 500$$

$$\frac{500}{1900} = \frac{5}{19}$$

$$\frac{5}{19} , \quad :$$

$$200 + 800 = 1000$$

$$\frac{1000}{1900} = \frac{10}{19}$$

$$\frac{10}{19} , \quad :$$

$$200 + 800 = 1000$$

$$\frac{200}{1000}$$

$$\frac{200}{1000} = 0.2$$

$$0.2 , \quad :$$