

9, 11

4 - 70

1 (20)

- X Y.

1:1.

, X Y
 ,
 .
 , ,
 10 X.
 5 Y.

8 Y,
 9 X,

10 = 18.
 , Y 8 8, Y 10 X 8 +
 , 9

$$X \quad 9 + 5 = 14 \quad Y.$$

: (18; 8) (9; 14).

$$\frac{Y-8}{14-8} = \frac{X-18}{9-18} \Rightarrow Y = -\frac{2}{3}X + 20.$$

$$Y = -\frac{2}{3}X + 20.$$

2 (15)

10 ,

15 8

().

()

?

$\frac{x}{10}$

$\frac{y}{15}$

$$: \frac{x}{10} + \frac{y}{15}.$$

$$\left(\frac{x}{10} + \frac{y}{15}\right) \times 8.$$

$$x. \left(\frac{x}{10} + \frac{y}{15}\right) \times 8 = x.$$

$$8y = 3x.$$

3 : 8.

: 3:8.

3 (15)

« 20% ».

50 100

30

90

160

?

$$0,2X_0 + 30 + 100 + 50 = X_0 \quad X_0 = 225.$$

$$: 0,2X + 30 + 160 + 90 = X \quad X = 350.$$

$$X - X_0 = 350 - 225 = 125.$$

4 (20)

, , $\frac{200}{N}$, $\frac{300}{N^2}$, 100.

$$: \frac{200}{N} : \frac{300}{N^2} = \frac{2}{3}N.$$

$$: \frac{2}{3}N = 100 \Rightarrow$$

$N = 150.$

_____ 150 .