

60 1 (17 ) 20 , 40 . , 20 40 .  
 , ?

. (3 )

(20;40). - (60;40) (20;20). (10 ) (Q; ) = (60;20)

: Q=40, =30. (2 )  
 40\*30=1200 .(2 )  
 :

$Q_d = -$  , - ,  $Q_s = c+d$  , -  $Q_d = 100-$

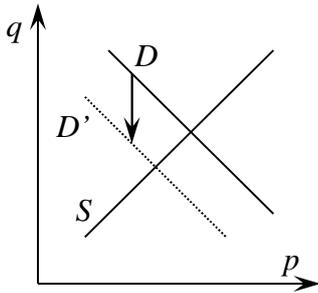
2 =30.  $Q_s = -20+2$  . Q= 40.

1200

2 (9 )

20%.

?



(2 )

20%.

$$p_2 = 0,8p_1, q_2 = 0,8q_1, (4 )$$

$$TR_2 = 0,8p_1 * 0,8q_1 = 0,64p_1q_1 = 0,64TR_1, (3 )$$

36 %

3 (6 )

4

15

10

?

$$4 * 15 = 60$$

(1 )

$$4 * 15 + 10 = 70 (2 )$$

$$70 / 5 = 14 (2 )$$

15

14

(1 )

15

14

4 (12 )

2010

4

6

8%,

19%?

$$I_P I_Q = I_M I_V, I_P, I_V$$

,  $I_Q$  -

,  $I_M$  -

(1 )

$$I_M = 6/4 = 1,5, I_Q = 1,08, I_V = 0,81. (5 )$$

$$I_P = I_M I_V / I_Q = 1,5 * 0,81 / 1,08 = 1,125 = 112,5%. (5 )$$

12,5%. (1 )

12,5%

5 (6 )

« - » « - » 5. « - »  
10%. « - »?  
:

$$v = \frac{\%q}{\%p}, 5 = \frac{\%q}{-10\%}, \%q = -50\%.$$

« - » **50%**.

6 (15 )

600 . . , 450 . . 30 .  
, , ?  
? , . . . .  
?

$$R = 600 - 450 = 150 \text{ . . . (3 )}$$
$$120 \text{ . . (150 - 30 = 120) (2)}$$

) , . . .  
, . . .  
) - , . . .  $r = R/D$ ,  $r = 120/600 = 0,2$ , . 20% (3)  
)  
. (1 )

1/ , . . .  $1/0,2 = 5$ .

$$= 30 * 5 = 150 \text{ . (3 )}$$

. 30 %, 150

7 (20 )

950 ..

950  
950  
?

0	0	0		
10	160	350		
20	370	650		
30	620	900		
40	950	1100		
50	1300	1250		

0	0	0	-	-
10	160	350	160	350
20	370	650	210	300
30	620	900	250	250
40	950	1100	330	200
50	1300	1250	350	150

(13 )

( )

( )

30 (4 )

620

950

40

620

(3 )