$$\frac{15}{100}$$
 $\chi = 120$

$$\frac{15}{100} 120 = \frac{15 \times 12}{10} = \frac{15 \times 6}{5} = \frac{90}{5}$$

(b)
$$\frac{30}{100}$$
 $\frac{2}{700} = 90$
 $x = \frac{90}{30}$ ×100

 $x = \frac{300}{30}$ Tophion c:300

Price increase from 200 to 200
$$\frac{250-200}{200} \times 100$$
= $\frac{50}{200} \times 100$

population decreace 10000 to 8000

$$=\frac{2000}{8000}$$
 × 100 $=\frac{1}{4}$ × 100

negative sign depitets decrease.

populprice of book drops to 500 to 400

$$=\frac{150}{600}$$
 ×100 $=\frac{150}{6}$ $=25\%$

$$\left(\frac{100-60}{100}\right)\chi = 8000$$

 $\left(1 - \frac{60}{100}\right) \chi = 8000$

lests assume B=100

option b: 16.67

(17)

tets consider

7. decrease:
$$(\frac{20}{100})$$
 × 100 = 207.

(5)

(6)

100 %

1207. -> 20% increse

108% -> po 1. decrease.

so onswer 8% increase

(P) 100°/.

Increased by 80% = 100 + 30 = 130%.

Now, 130% is decreesed = 130 × 20

by 20%.

= 104%

net change is 41. increase

18) population increase by 25% the decrease by 20% initial be 100% Increase = 12% (100%) = 100% decrease = 12% (100%) = 100% 100% = 100% 100% 100% = 100%

1. price incresse by 40%. f then decrease by 30%.

initial = 100

Increase = 140 / (100%, +40%)

decreose - 140 (30 x135)

= 140 - 30%. 140

: 140-42 -93.

 $\left(\frac{98 - 100}{100}\right) \times 100 = -290$

First inc. 201.

then dec 101.

(20)

original price - 100

increased salary = 120 (120 × 10)
Then decreased salary = 120-(120 × 10)

- 120-12

- 108

108 - 100 × 100

= 8% increase.

(2) sold at profit 25%

SP what 1. of Cr.

options

(22)

101. die wunt

81. profit on the CP.

≥ 420.

$$\left(\frac{650-500}{500}\right)$$
 × 100 = $\frac{150}{500}$ × 100

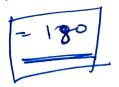
$$\frac{2}{2} \frac{B}{Q} = \frac{3}{2}$$

$$\left(\frac{65}{100}\text{ K}\right) - \left(\frac{35}{300}\right)$$
 = 3600 P

answere is 10000, option could be

increase required = 180-70 = 30

total income : 2



spends 75% of income saving 25%. of income.

8**3**

Initial = 100 price consumption = 100L

20% increase.

new price = 120%.

naintain expense = 100×100

= 83.33 liter.

+8 % increase.

Reduce concumption 100 - 83.33 = 16.677.

35 original price = 100

After 2011. increase = 126

After 10.1. decrease = 120-12

= 108

overall change = 168-100 =

$$MP = 100$$
 $MP = 100 + 25 = 125$

Selling price of the 20% diswount

 $SP = 125 - (20\% of 15)$
 $= 125 - 25$
 $= 100$
 $Profit / Loss = SP - (P = 100 - 100) = 0$
 0%

- (39) ealary increased by 10%. I then decreased by 10% what is final percentage change.

10% increase = 100 +10 =110

10% decrease on 110 = is 99 %

net change 99-100 = -1

70 change = -170

40% mores needs to be passed.

gets 200 marles ptail by 20 monda.

Total wents.

possing ments = 200 + 20

Total names = 2

40 2 = 220

220×100 = 76

22 × 100 = 2

2011. rent +3011. food + 1011. transport

= sures 18000

re = salary.

total spend = 60 %

401. 2 = 18600

40 X = 18000

x = 18000 ×100

1 x = 45000

(42) price = 100

30% increase = 130

301. decreuse on 130 = 130 - 39 = 91

net change = 100-91

7. change = -970

9% decrease.



$$\frac{A}{B} = \frac{20}{100} \times \frac{100}{15}$$

$$CP = 800$$
 $SP = ?$

SP = 250

117-100=17

(20)