Percentage:

$$\frac{1}{2} \rightarrow 50\% \left| \frac{1}{3} \rightarrow 33.33\% \right| \frac{1}{4} \rightarrow 25\% \left| \frac{1}{5} \rightarrow 20\% \right| \frac{1}{6} \rightarrow 16.66\%$$

$$\frac{1}{7} \rightarrow 14.28\% \left| \frac{1}{8} \rightarrow 12.5\% \right| \frac{1}{9} \rightarrow 11.11\% \left| \frac{1}{10} \rightarrow 10\% \right| \frac{1}{11} \rightarrow 9.69\%$$

$$\frac{1}{12} \rightarrow 9.33\% \left| \frac{1}{13} \rightarrow 7.69\% \right| \frac{1}{14} \rightarrow 7.14\% \left| \frac{1}{15} \rightarrow 6.66\% \right| \frac{1}{16} \rightarrow 6.25\%$$

$$\frac{1}{20} \rightarrow 5\% \left| \frac{1}{24} \rightarrow 4.16\% \right| \frac{1}{25} \rightarrow 4\% \left| \frac{1}{30} \rightarrow 3.33\% \right| \frac{1}{40} \rightarrow 2.5\%$$

Is the length of a secturity is increased by 371/2. and Its breadth is decreased by 20%, Find the % of damage in the area. 3

$$\Rightarrow L = \frac{75}{2} \chi \times \frac{1}{100} + \chi$$

$$= \chi + \frac{3}{4} \times \frac{1}{2} \chi$$

$$B = 4 - 20 \times \frac{1}{100} 4$$

$$= y - \frac{1}{5}y$$

L=
$$\frac{117}{8}$$
 .'. New area, $A = LB' = \frac{117}{8} \times \frac{4}{5}y = \frac{1172y}{10} = 1.12y$

% charge =
$$\frac{A'-A}{A} \times 100 = \frac{1.12y-2y}{2y} \times 100 = \frac{0.1}{2y} \times 1$$

2). If the sides of a square is increased by 40%. Find the % change in the area.

= Let the side be 20

Area & square 2?

New 9100 = 9+40% 7 = 9+40 1/100 x = 9+27

 $= \frac{72}{5}$

New area = $\left(\frac{72}{5}\right)^2 = \frac{492}{25}$

% charge = $\frac{49x^2}{\frac{25}{25}} - x^2 = \frac{24x^2}{\frac{25}{25}} = \frac{24x100}{25} = \frac{96\%}{25}$

3) A box has loo blue balls, so red balls and so black balls. 25% of blue balls and so % of red balls are taken away. Then, percentage of black balls at present is

6) 25% DN 33-13% 6) 40% (d) 50%

A) The price of rice falls by 20%. How much rice can be bought now with the money that was sufficient to by 20kg of rice previously?

(a) 5kg (b) 15kg (o) 30kg

5) Twenty-five percent of Rema's yearly income is equal to severty-five percent of Anublav monthly income. If anublav really income is 10.240000, what is Reena's monthly income to 60000 (b) 12006 (c) 5200 E. None of the 0. Count to determine

6) Sharepattis salary is 20% more than that of bobility. If Shreepath saves 20.7-20 which is 41% of his salary. thron testitil's salary. 13 64 15,000 (V 12,000 G) 10,000 G) 20,000 1085 1205 -) 120 X4 - 24 24-120

700 - 120×5 100 = 15000 25×720=18000

7) In a city, 40% of the people are illiteate and 60% are poor. Among the sich, 10% are Illiterate. The percentage of the Illiterals poor population is 983€ 6)60 C)40 B) 50 411 -> 40 Poor -> 60 Pich -> 40

Rich III = 4 Poor ill -> 40-1=36

DERPSH foull contains 72% water and dry fruit contain 20% waters. How much dry fruit from 100kg of fresh fruit can be dotained? b) 32 kg (6) 39 kg (5) 30 kg (5) 35 kg

20 -> dry Pruit 72 -water

$$\frac{100 \times \frac{28}{100}}{100} = \frac{80 \times 2}{100} \times \frac{28}{100} = \frac{80 \times 2}{100} \times \frac{2}{100} = \frac{2}{100} \times \frac{$$

Percentage of profit =
$$\frac{SP - CP}{CP} \times 100 = \frac{Profit}{CP} \times 100$$

Percentage of loss = $\frac{CP - SP}{CP} \times 100 = \frac{loss}{CP} \times 100$

SP = 7100

$$\frac{25}{100} \times 80 + 80 = SP$$

11) The owner of a furniture shop charges his customes 24.6 more than the cost price. If a customes paid \$ 8339 for a computer table, then what was the cost price of the computer table

$$7 + \frac{947}{100} = 8339$$

$$100 \times +24 \times = 8339$$

$$\frac{1209}{100} = 8339 = 2 - 3839900 = 6725$$

12) A person purchased a TV sel for 16000 and a DVD player for 6050. He sold bold the Herons together for 31150 - What percentage of profit did he make. - TV-16,000 + 6250. = 22250 → 31150 = 9100 $\frac{9100}{22250} \longrightarrow \frac{9100}{2225445} = \frac{182}{445} = 40\%$ 13) Ramu brought an old car for \$ 42,000. He spent \$ 13000 on repairs and gold it for \$ 64900. What is his profit percentago. eost = 42+13 = 55,000 (64900) - 55,000 = 9900 9960 99 55,000 550 100 -990 - 18% 14) A todas sells 85 meters of cloth for = 8925 at the profit of \$15 per metre of cloth. What is the cost price of one melvo of cloth? 85 → 8925. 85×15 = 850 = 1925_ 425 -590/-15) A shopkeeper loss 15%, if an auticle is sold for 2102. What should be the selling price of the affile to gain 20%. 35% of 102 = 35 - 102 - > 15% asing formula CP-SP = Peval. = 2149/

Raman mixed along & butter at 150 por 19 with 36 kg of butter at the rate of \$125 per kg. At what price a per kg. should be sell the miseture to make a profit of 40% in the transaction.

91.06 as

150 +125 = 55 = 13.08.

150x24 = 3600215 x36 = 4500CP = 3600 + 4500CP = 8100

SP = eP+ (X100 = 189