02-05-0025 Aptitude Percentage, Profit & Loss Question Bank Assignment 1 Submitted By: - Satyajeet Virendra Khamkar 1 25% of 200 -> As 25% of 100 is 25 so double 50 (2) 40 % of a number is 80 40 % + 40 % + 20% = (00 % 80 + 80 + 40 = 200 3 75% of a number is 150 75 - 150 752e = 150 ×100 752 = 15000 22 = 15000 75 ne = 100 (4) 15% of 120 (00 -> 15.1/0 -> 15 10 > 15 1/0 > 1·5 10 > 15 1/1 > 1·5

(5) If 80% of no. is  $\frac{30}{100} = \frac{90}{92}$ 

 $3002 = 90\times100$  20 = 9000

= 300

The paice is increased from 200 to 250, what  $\Rightarrow$  200  $\Rightarrow$  250 250 - 200 =2550 increase  $\frac{50}{200} = \frac{1}{4} = 25\% \text{ increase}$ 1) A soluter increase from RS 40,000 to RS 50,000, what is percentage increase → 40,000 → 5.0,000 (0,000 → increuse  $\frac{(0.000)}{40.000} = \frac{1}{4} = 25\%$  increase. Population decreeosed from 10,000 to 80,000.  $\frac{12000}{10000} = \frac{1}{5} = 20\% \text{ decease.}$ 9 800k peire RS 500 to RS 400  $\frac{100}{500} = \frac{1}{5} = 20\% \text{ de ceouse}$ ( ) (ost price is RS 600 & selling price is RS 450, loss %? > C.P. = 600 S.P. = 450 loss = 13 (50  $\frac{150}{600} \times 100 = \frac{1}{4} \times 100 = \frac{100}{4} = 25\%$ 1 Which is greater, 30% of 400 or 40% of 300  $\frac{40}{100} = \frac{20}{300}$   $|000 \times 4 = 400$  $\frac{30}{100} = \frac{22}{400}$ 40×300 = 22 |: 80×4 = 120 30 y 2000 = 10022  $100 \times 3 = 300$   $40 \times 3 = 120$ 100 120 . = 2 : Some :. Saml

$$60\%$$
 income  $\frac{20}{100} = \frac{8000}{10}$ 
 $\frac{4}{100} = \frac{800000}{100}$ 
 $\frac{100}{100} = \frac{800000}{100}$ 
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 $\frac{100}{100} = \frac{800000}{100}$ 

$$\rightarrow A + 10^{\circ}/_{\circ} = B$$

$$B = 100 : A = 120 \frac{10}{120} = \frac{1}{6} = 16.67 : 1.$$

$$\frac{25}{125} \times 100 = \frac{1}{25} \times 100 = 20\%$$

$$\Rightarrow 100 \rightarrow 120 \rightarrow (120-12) \rightarrow 108$$

:- 8 % incecesse.

of A no. is increased by 80% of then decreeised by 20%. final % change  $(00) \xrightarrow{30\%} (30) \xrightarrow{20\%} (130-26) \longrightarrow 104$ Le 1. increuse 1) Population increase by 25% & then decrease by 20% net of change  $\longrightarrow (00) \xrightarrow{25-1} 125 \xrightarrow{20-1} (125-25) \longrightarrow (00)$ 13 Peice increase by 40 % & then decrease by 30%, the final change is  $\rightarrow 100 \xrightarrow{40} 140 \xrightarrow{-30\%} (140-42) \xrightarrow{} 98$ 2.1. decreuse W Solvey fiest increased by 20% & then decreased by 10%. % change  $\rightarrow \qquad (00 + \frac{20.1}{}) \quad 120 \xrightarrow{-107} \quad 108$ 8 · l. increase DAEticle sold at profit of 25%, then the selling price is what of cost price.  $100 \xrightarrow{25} 125 \xrightarrow{25} \times 100 = 125.1.$ Deshopkeeper allows a discount of 10% on the marked price & 6till makes a profit 8%. Marked price is 500, what 5 cost perice? 500 -10.1. 450 420

$$\frac{(00)}{(00)} \xrightarrow{(00)} 120 \qquad \frac{20}{120} \times 100 = \frac{1}{6} \times 100 = \frac{16.67.1}{6}$$

is % discount given?

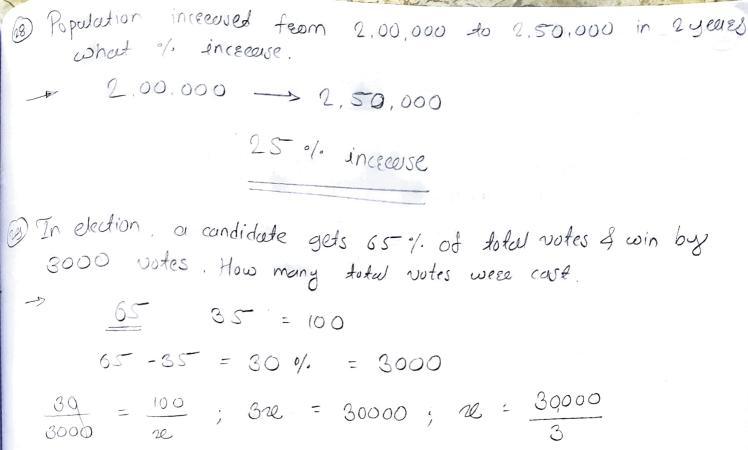
1200 
$$\rightarrow 960$$

=  $\frac{1200}{240}$ 
 $\rightarrow 960$ 

=  $\frac{1200}{240}$ 
 $\rightarrow 960$ 

=  $\frac{1200}{240}$ 
 $\rightarrow 960$ 
 $\rightarrow$ 

$$\frac{3}{G} = \frac{3}{2} \frac{3}{3+2} = \frac{3}{5} \times 100 = \frac{300}{5} = 60 \%$$



$$\frac{30}{3000} = \frac{100}{2}; 32 = 30000; 20 = \frac{30000}{3}$$

$$= 10,000$$

Alticle price reduced by 30%, by what precentage must the new price be increased to restore original price.

$$(00^{-30\%})$$
 70%  $\rightarrow$  100  $\frac{42}{7\sqrt{300}}$ 

No. increased by 50% & then decreased by 50%. Net % change?

(00 
$$\xrightarrow{+50\%}$$
 150  $\xrightarrow{-50\%}$  75 = -25% original

$$\bigcirc$$
 A is 20.1. Ladles than B, then B is shorter than A by  $\bigcirc$  100  $\stackrel{+20'}{\longrightarrow}$  120  $\longrightarrow$  100  $\bigcirc$  16.67 %

$$\frac{30}{30} = \frac{60}{20}$$
;  $20 = 180$ 

20 = 200×75 20 = 15,000 > 5 pends

$$0 = \frac{100 + 20\%}{120} = \frac{1}{6} \times 100$$

$$= \frac{100}{6}$$

$$= 16.67$$

$$\rightarrow (00 + 20\%) 120 \xrightarrow{-10\%} (120 - 12) \xrightarrow{} (08)$$

$$(00) \xrightarrow{125\%} (25 - 25\%) = (00)$$

(3) C.P. of Obticle is RS 500 & it is sold at a loss of 20.1.
500 -20%. c.p. 400
30) Salary increase by 10%. I decrease by 10% final % change > 100 +10% 110 -10% (110 - 11) -> 99
by no marks. what is tatal marks
200 + 20 = 220 <->, 40%.
$\frac{220}{40} = \frac{2e}{100},  \frac{11}{2} = \frac{2e}{100},  \frac{1100}{2} = 2e$
ne = 550
men spends 20% salvey on eent. 30% on food 4 10% on teansport. If he saves as 18,000, what is salvey
>> 201/2 + 301/2 + 101/2 = 601/2
·. 40 ·/· -> 18.000
$\frac{28000}{400} = \frac{22}{100}; \frac{900}{2} = \frac{22}{100}; \frac{90000}{2} = 22$
20 = 45,000
Tost of item is increased by 30% then 30% decrease what
S OVERELL =1. Change
$\Rightarrow 100 + 30\% (30 - 30\% (130 - 39)) \rightarrow 91$
-0 % decrease

43	Town popula	action 10%	increase	/ year	Cuesert	population	Ė
	(1) (2) (2)	whet will	after	3 years.			
-1	(0,000	+(0./-)	10:10	2 100 -	13,3		

The (5.1. of A is equal to 20.1. of B. then A:B is

$$15.1. A = 20.1. B \quad \frac{15}{100} A = \frac{20}{100} B$$

$$\frac{15A}{100} = \frac{20B}{100} ; \quad 15A = 20B$$

$$\frac{A}{B} = \frac{20}{15} = \frac{4}{3}$$
 or 4:3

40 If C.P. of an iteam is RS 200 & the S.P. is RS 250 peoplit %?

$$C.P \longrightarrow S.P$$
250

4) Flexicle sells due RS720 at a prestit of 20%. final (%).

100 +20% 720 
$$\longrightarrow$$
 20  $\longrightarrow$  20  $\longrightarrow$  100  $\longrightarrow$  120  $\longrightarrow$  100  $\longrightarrow$  1

(1) Sals iteams at loss of 15.6. If (.P. is RS 500. find S.P. 
$$\rightarrow$$
 500  $\frac{-15.1}{50+28}$ )  $\rightarrow$  500  $-75 = 425$ 

Tenders murks his goods cet 30.1. above C.P. & allow S discount of 10%. What is gain %  $\rightarrow (00 +30\% 130 -10\%)$ · 17 % gein Study  $\frac{1}{7} = 100\%$ ,  $\frac{1}{2} = 50\%$ .  $\frac{1}{3} = 33.33\%$ .  $\frac{1}{4} = 25\%$ ,  $\frac{1}{5} = 20\%$ ,  $\frac{1}{6} = 16.67\%$ 

$$\frac{1}{7} = 12.28\%, \quad \frac{1}{8} = 12.5\%, \quad \frac{1}{9} = 11.11\%$$

$$\frac{1}{10} = 10\%, \quad \frac{1}{11} = 9.09\%, \quad \frac{1}{12} = 8.33\%$$

$$\frac{1}{3} \times 2 = \frac{2}{3} = 66.66\%, \quad \frac{1}{4} \times 2 = \frac{2}{4} = \frac{1}{2} = 50\%, \quad \frac{1}{4} \times 3 = \frac{3}{4} = 75\%$$