Procentage and Profit & Loss

	Name - Stankur Parch
Q I	What is 25% of 2002
->	25% of 200 = 200 × 1
	4
	= 50°/0
	b) 50%
02	If 40% of number is 80 ruhut is the number ?
\Rightarrow	40 _ 80 100 DL
	100 St
	40n = 80 x 100
	n = 2000/40
	x=200
	C> 200°/6
63	75°10 of number 150 what is the number
7	75 150 100 m
	100
	$75x = 150 \times 100$
	晋 n = 15000/75
	N= 200
	b>200%
64	What is 15 % of 120
	10% of 120 is 12
	5°10 of 120 is 6
	So 16% = 12+6 = 18
	C) 18 %
<u>Q5</u>	If 30% of number is go then the number is
	30 - 90
	308 = 9000
	2 - 3004/34 = 800
	c) 300

4	
96	The price of a product increase from \$200 to \$250
	What is percentage increase?
	700 - 250
1	
	50 = 25% increase
1	200
	b)25°10
47	A salary increase from \$ 40000 to \$ 50000 What is the
	persentage increage 2
->	
	10000 1 - 28 % increase
	b) 25% increase
9.8	The population of a turnin interseace from 10,000 to 8000
	what is the percentage decrease?
⇒	
	10000 205
	a7 20°/0
99	A book price doop from 7 500 to 7 400 what is the percentage
	deroeuse?
\Rightarrow	\$100 decrease \$100 = \$1 - 20%
	500 5
	a) 20°/6
	which is greater 30% of 400 or 40% of 300?
⇒	10% of 400 = 40 10% of 300 = 20
	50 30% of 400=120 40% of 300=120
	go both are same
	C) both are equal
	= 7 .50 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

@10 If the cost price of an item is \$ 600 and, the setting price 157450 moul is percentage Loss 1055 150 50 180 1 = 25 % Loss A12 A person spend 6000 of his income and save \$8000 unat is his total income 60°10 income spend 40°10 Save \$ 6000 4021 = 800000 n = 200000 /40 20000 C) \$20,000 813 If A is 20% more than B and then B is how much less than A => A +20010 = B B 70 = 1 = 16 .67°/6 6) 16.67010 014 if the price of sigur increased by 250% by how much should the consumption be reduced to maintain the same expense? A\$\$\$ 6 : 梅 一 > # 10 - > # 10 X 100 # 25 5 770 100 = 125 -25 100 25 x 100 = 1 x 100 = 200/6 QIS IT A'S income is 40% more than B's Income B's income is what persentage less than A's? → A → 140% 40 × 100 = 2 × 100 = 28.57% B -> 100 % a>28.57%

916	the price of an item is increased by 20% and then decreased by 10% what is not percentage change?
	$100^{\frac{1}{20\%}} 120^{\frac{-10\%}{100}} (120-12) \rightarrow 108$
	a) 8°10 increase
0.17	A number is increased by 30% and decreased by 20% what is the final percentage change?
<i>⇒</i>	100 30+> 130 => 130-26 = 104°6 4°10 increase b) 4°10 increase.
818	If the population of a city increases by 25% and then
\Rightarrow	decrease by 20% what is the net persentage change? 100% 25+ 125 - 20% 125 - 300 25 = 1000. .: a) 00%
@ 19	the final change is
\Rightarrow	
910	The salary of a person is first increased by 20% and then by 10% what is the overall person tage change?
=	100 +20% 120 -10% 130 - 12 = 108%. ce) 8% increase
Q21	If an article is sold at a profit of 25% then the selleing price is what persentage of the cost price?
7	100 -425 > 125°/0 b) 125°/0
<u> </u>	A shopkeper allows a discound of look on the marked price and still makes a frafit of 80% if the marked price is \$500
\Rightarrow	what is the cost price
	# 1. b) 420 Rs

000	A product is marked at \$ 1200 and sold for \$ 960 ruhat
N'CT.	the product is marked by
	is persentage discount given by
7	1200-960 = 240
	240 x180 = 20°10
	(20)
	6)20%
025	If an article is boought for I soo and sold for 650 what
	is percenture molit
->	150 profit 150 x 10\$ = 30°6
	800
	C)30°10
- Ore	If A'S income is 2010 more than B's then B's income is
	What persentage less than A's?
\Rightarrow	100 -> \$ 120 A'S A'S
	7/8 × 10 10 = 16.67° 10
	1200
	a) 16.67%
2017	If the south of boys to girls in school 3:2 known personage
95	of total Student are boy's?
→	3:2
	30%: 20% = 50% 460: 40% = 100
	b 8
	h) 60°%
928	A city's population increased from 2,00,000 to 2,50,000 in
	2 years what persontage increase?
⇒	50,000 increased 84,400 = 1 x 100 = 25%
	20000 4
	b) 25°6

Q 29	In an election, a candidate get 65 °10 of the total votes and
	win by 3000 votes Han many total votes were cast
9	GS 10 win
	35% 65-35 = 30% = 3000
	30 = 100; 32 = 30000 = 10000
	3000 30
030	The price of an article is reduced by 30% by what percentage
	must the new price be increased to restore original price
⇒	100 -30% 70% 70%
	$\frac{30}{70} \times 100 = \frac{300}{7} = 42.85$
	70 7
	b) 42.85°/6
031	If a number is increased by So'10 and then decrease by So'10
	what is the net persentage change
->	100 +50% 150-75 = 75%
	- het preventage change is 25%.
	() So% decrease
833	If 30% of a number is 90 ruhat 60% of the same number
	30 - 60 -
	19 0 or
	30x = 9000 30 = Go 50 N = GOX3
	9t = 9000/30 + 300 303 N = 180
	C) 180
934	A person spends 75% of his income and save \$ 5,000 whatis
	his total income
->	25 ° - 5000
	100 21
	25n = 500000 = 500000/28 = 20000
	c) \(\frac{1}{2} \) 20000

35	The price of petrol increase by 20% By kinal persentage should consumtion be reduced to maintain the Same Expance 100 +20% 120 -> 100 20 x.100° =1 x100-100
	a)16.67
36	The price of a TV mas first increased by 20% and them decreased by 10% what is the overall percentage change?
>	100 +20 = 120 -10% (120-12) -> 108 a)8%
37	Shopkeper marks an ilem 25 10 above the Cost price 20%. Obscount what is his profit 11055 percentage
\Rightarrow	100 +25° 125 -20° 16 (125-25) = 100
	A LILL FE COLL
38	at a loss of 20% what is the selling price?
\Rightarrow	500 - 2010 400 C.P
	C ₹ 400
	If a salary is increased by 10% and then decreased by
\Rightarrow	100 +10' > 110 -10'/0 (110 - 11) -> 99 b) 1°/0 decrease
40)	A Student needs 40% mooks to pass the gets 200 marks and fails
	by 20 marks what doe the total marks
\Rightarrow	$200 + 20 = 220 \implies 40\%$ $220 = 20 \implies 11 = 100 = 100$
	$\frac{220 - 20}{40} \cdot \frac{11 - 100}{2} = 100$
	b) 550

41	A man spend 20 % of his salary on rent 30 % on food
	10% on transport if he savers \$ 18000, what his salary
9	20+30+10=60% sperd
	40° = 18000
	40x = 1800000 = 45000
	6 > 45000 RS
42	3 7 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
	decreased by 30% remut is the overall percentage change?
->	100 = 30 3 130 - 30 (130 - 39) -> 91
	b) 9°10 decrease
	^
43	the population of the town increase by 10% every year
	if the current population is 10000 funat mill it be after
	3 years
3	10000 \$ 10% 11000 +10% 12100 +10% 13310
44	a) 13310
244	
	11 13 6 01 11 15 equal to 20 % of B then 11: B 15
\Rightarrow	$A : \mathbf{B} = 20^4 : 15^3 = 4:3$
	b) 4:3
45	
	If the cost price of an item is \$800 and the profit made
٩	15 25% - Ca selling paire?
	800 -25% (800 + 200)>1000
	b)₹1000
46	The coal of coal
7.0	If the cost price ((p) of an item is \$ 200 and selling
	poice is \$250 what is the profit percentage. ?
7	CP SP 25% 200 250
	D) 25°10

47)	A man sells an article for 720 at a profit of 20%
⇒	find the cost price 2 1201 720 -> 20 (6 x720=1200) 100 +200 120 -> 100
	20 × 100 = 1/6 × 100 = 100 = 16.67 = 600
	d) #700
48)	A shopkeeped sells an item at loss of 15% if the cost price is \$ 500 find the selling price
\Rightarrow	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	り) 天 425
49>	A man purchased a cycle for \$1500 and sold it at a 1055 of 10% what was the selling price?
9	1500 -10-10 1350 c) 1350
	A trader marks his goods at 80% above the cost price and allows a discount of 10-10 what is his gain percent
⇔	106 +30% 130 -10% 117
	·· a)17°/0