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Assignment 1: Percentage & Profit & Loss

Deadline: Monday 10th March	
1.	What is 25% of 200?
25	
50	RIGHT
75\	
100	
2.	If 40% of a number is 80, what is the number?
100	\
150	\
200	\ right
250	
3.	75% of a number is 150. What is the number?
175	
200	right
225	
250	
4.	What is 15% of 120?
12\	What is 10 /V of 120.
15\	
	right
20	o

5.	If 30% of a number is 90, then the number is:\
200	
250	
300	\ Right
350	
6.	The price of a product increases from ₹200 to ₹250. What is the percentage increase?\
20%	6
25%	6\ Right
30%	6
35%	ó
_	
7.	
20%	
	%∖ true
30%	
35%	ó ·
8.	The population of a town decreased from 10,000 to 8,000. What is the percentage decrease? $\!\!\!\!\!\backslash$
10%	$\delta \setminus$
15%	$\delta \setminus$
20%	6\ Right
25%	o o
9.	A book's price drops from ₹500 to ₹400. What is the percentage decrease?\
10%	δ
15%	
20%	6\ Right
25%	0

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75,	200	000
	-510	
3 LOO X 680 - 200%	100-44	
40,	(3 B= LOO -> 201/. more 1	20.
Page 1 1 th A A Mari	20 × LOO _ [16.67	
@ 120×15 - 6×3=18	120	1111-
Long and and some factors in	allera di seri	and a second
VIII.	@ lolthal 100 -> 25 1/ = 1	25
@ 30xr00 - 300		
30	1253 - 120%	-
gres grant and sent to		Paris
1 200-250 = 50 increse	(B) 8= 400 140 1/1 = L	0.
- 200 x SOX LOD _ 25%	- 49 XIDD 20 . S	
2 200	14014	
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1 40000 → 50000 = 10000 change	(1) Increase 2011. then De	or 1
- 7000 × 100 - 02%	Initial Loon.	
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= 2000 × 100 - 80.1	@ har 30% then sear 2	
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9 500-400 = LOOB-0P		
100 x 200 - 2011.	@ LOO x 225 x 0.80	
500	= L00 = [01/14	7
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13 600-450 = 180	(100-X 1.4 X 0.) = 80	
180 XLOD -25'	= [2 y, aeor]	
- Good I	as Inidai na 200 So	
TOOL DATE	@ /mldow a 200 50	237.5

Section 3: Percentage Comparison

10. Which is greater: 30% of 400 or 40% of 300?\
30% of 400∖
40% of 300∖
Both are equal\ Right
Cannot be determined
11. A person spends 60% of his income and saves ₹8,000. What is his total income?\
₹15,000\
₹18,000\
₹20,000\ Right
₹25,000
12. If A is 20% more than B, then B is how much less than A?\
20%\
16.67%\ Right
25%\
10%
13. If the price of sugar is increased by 25%, by how much should the consumption be reduce to maintain the same expense?\
20%\ Right
25%\
30%\
15%
14. If A's income is 40% more than B's income, then B's income is what percentage less than A's?\
28.57%\ Right
30%\

15.	. The price of an item is increased by 20% and then decreased by 10%. V	Vhat is the net
	percentage change?\	

8% increase\ Right
8% decrease\
10% increase\
10% decrease

16. A number is increased by 30% and then decreased by 20%. What is the final percentage change?\

4% increase\ Right
8% increase\
10% increase\
12% increase

17. If the population of a city increases by 25% and then decreases by 20%, what is the net percentage change?\

0%\ Right
5% increase\
10% decrease\
5% decrease

18. If a price increases by 40% and then decreases by 30%, the final change is:\

2% increase\
10% increase\
10% decrease\
2% decrease Right

19. The salary of a person is first increased by 20% and then decreased by 10%. What is the overall percentage change? $\$

8% increase\ Right

10% increase\
10% decrease\
No change
20. If an article is sold at a profit of 25%, then the selling price is what percentage of the cost price?\
100%\
125%\ Right
150%\
175%
21. A shopkeeper allows a discount of 10% on the marked price and still makes a profit of 8%. If the marked price is ₹500, what is the cost price?\
₹400\ ans is 416
₹420\ if MP is 480 then CP 400
₹450\ : the option is available
₹460
22. If the profit is 20% of the cost price, then what is the profit percentage on the selling price?
16.67%\ Right
18%\
20%\
22%
23. A product is marked at ₹1,200 and sold for ₹960. What is the percentage discount given?
15%\
20%\ Right
25%\
30%
24. If an article is bought for ₹500 and sold for ₹650, what is the percentage profit?
20% \

25%\

30%∖ Right

35%

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F52.(')	@ Loo-> 120 = 20 y 100 \$ 164
His . O and	120
10 SOOX 10 _ SO = 450 = SP	
100	12
= rooxaso 1808 = 016.61	3 90×200 - 300 300×60 1
A comment of the comm	3 1 200
23 CP=100 120% SP -> 120 +8P	
20 XLOD - 16.67	(3) 75% SPED & SCOE SOOD
20 100 1000 1000 1000 1000 1000 1000 10	So oo ± 25./.
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120 1200 - 860 = 240	
24021	CO Pedial -> 10- M
1500 - 50.1.	(3) Petrol > 200 1201/ -> 120.
12	20×100 -[16.67]
2	150
3 S00→6S0→180=P	
150 ×100 =301.	@ 11 → 100 ×1.0×03 = 108
500 = 0=1 (6, 5) (1)	Loot8 = (81.1mg
and the same and t	- CONTESS 5 2
B LOO↑20% → 120.	(2) CP = 500 + 20%
20 x 100 - 16.67	500×20 -100 - 500
120	100 -100 - 300
D bady: 911/2 = 3:2	(1) you Forpays -> get 200
Let all stated book 3+2=5	
100/5 = 20.	7 11011. 2550
1,009 F 8x 02= x8 82009	220 × LOO 14 = SSO
	60 0
€ 200000 => 280000 = 50000	@ 20+30+10=601. Salve 1800
2000 × 100	- T8000 × rolto0 - 1200
2000001	Es Gracio
25504	(5) LOOO 1 LOY, FOT PET YEAR
	= 10000 X L . L X L . L X 1 . 1
65-85 = 30 %	- 3310
= Loo X3000 - L0000	
36	(B) CP = 400 of 25%
= 12000	
100 1 30 1 = 70	800 X 1.25
320 × Loo = 300 = [42.85%]	= 15000

25. If A's income is 20% more than B's, then B's income is what percentage less than A's?
16.67% RIGHT
18%
20%
25%
26. 27.If the ratio of boys to girls in a school is 3:2, what percentage of the total students are boys?
30%
40%
50%
60% Right
27. A city's population increased from 2,00,000 to 2,50,000 in 2 years. What is the percentage increase?
20%
25% Right
30%
35%
28. In an election, a candidate gets 65% of the total votes and wins by 3000 votes. How many total votes were cast?
5000
6000
8000
9000
10000 Right
29. The price of an article is reduced by 30%. By what percentage must the new price be increased to restore the original price?
30%
42.85% RIGHT
50%
60%

30. If a number is increased by 50% and then decreased by 50%, what is the net percentage change?
0%
25% decrease RIGHT
50% decrease
75% decrease
31. If A is 20% taller than B, then B is shorter than A by:
16.67% RIGHT
18%
20%
25%
32. If 30% of a number is 90, what is 60% of the same number?
120
150
180 RIGHT
200
33. A person spends 75% of his income and saves ₹5000. What is his total income?
₹15,000
₹18,000
₹20,000 RIGHT
₹25,000
34. The price of petrol increases by 20%. By what percentage should consumption be reduced to maintain the same expense?
16.67% RIGHT
18%
20%
25%

35. The price of a TV was first increased by 20% and then decreased by 10%. What is the overall percentage change?
8% increase RIGHT
10% increase
10% decrease
No change
36. A shopkeeper marks an item 25% above the cost price and gives a 20% discount. What is his profit/loss percentage?
0% RIGHT
2% profit
5% profit
10% loss
37. If the cost price of an article is ₹500 and it is sold at a loss of 20%, what is the selling price? ₹350
₹375
₹400 RIGHT
₹450
38. If a salary is increased by 10% and then decreased by 10%, what is the final percentage change?
0%
1% decrease RIGHT
1% increase
2% decrease
39. A student needs 40% marks to pass. He gets 200 marks and fails by 20 marks. What are the total marks?
500
550 RIGHT
600

40. A man spends 20% of his salary on rent, 30% on food, and 10% on transport. If he saves \$18,000, what is his salary?

₹40,000

₹45,000 RIGHT

₹50,000

₹55,000

(1) SP = 720 PWAH 20%	(LE) CO = SOO + 12%
150 - 1600	= 500 × 8.5 = LL25)
(CP = 1500 1, 10 %.	(50) CP = LOO MP 180 %. → 18
5 7200 X 0.0 = 13500	2 130x10 130-13 =117
- (0281) =	100
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	= 117 -200 = 17.
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= 100-95	10-001.
- V:1000	- 19 % sear
(63) A XLS 3X20	40
100 LOO	(2) Cb = 300 8b = 380
	= Sal x Loo - (28.1)
- A - 20 - 4 B - 25 - 3	260
3 15 3	
Anna Ric (Carles)	The second secon
(5) MP = 1125 x CP	
= CP = LOO MP = 128 -	
100	
- 125 x 20 2 25	
F00	×
= 128-28 = 100	
= CP = SP	
= 101. Profit .	
PAGE NO DATE	San an annual and
Coverno)	a market feature

41. The cost of an item is first increased by 30% and then decreased by 30%. What is the overall percentage change?
0%
9% decrease RIGHT
9% increase
15% decrease
 42. 43) The population of a town increases by 10% every year. If the current population is 10,000, what will it be after 3 years? a) 13,310 RIGHT b) 13,500 c) 14,000 d) 14,200
43. 44) If 15% of A is equal to 20% of B, then A:B is: a) 3:4 b) 4:3 RIGHT c) 3:5 d) 5:3
45) If the cost price of an item is ₹800 and the profit made is 25%, what is the selling price? a) ₹900 b) ₹1000 RIGHT c) ₹1050 d) ₹1100
46) If the cost price (CP) of an item is ₹200 and the selling price (SP) is ₹250, what is the profit percentage? a) 20% b) 25% RIGHT c) 30% d) 40%
47) A man sells an article for ₹720 at a profit of 20%. Find the cost price. a) ₹600 RIGHT b) ₹620 c) ₹650 d) ₹700
 48) A shopkeeper sells an item at a loss of 15%. If the cost price is ₹500, find the selling price. a) ₹400 b) ₹425 RIGHT c) ₹450

d)	1₹4	175
•	, .	. , .

- 49) A man purchased a cycle for ₹1500 and sold it at a loss of 10%. What was the selling price?
- a) ₹1200
- b) ₹1300
- c) ₹1350 RIGHT
- d) ₹1400
- 50) A trader marks his goods at 30% above the cost price and allows a discount of 10%. What is his gain percent?
- a) 17% RIGHT
- b) 18%
- c) 19%
- d) 20%