## Profit, LOSS and Discount Page

Formula :-

I. 
$$\frac{SP}{MP} = \frac{100 - D\%}{100}$$

$$\frac{T}{MP} = \frac{100 - D'/o}{100 + P'/o}$$

is \$ 4650. The shopkeeper Offers

an off-season discount of 18%.

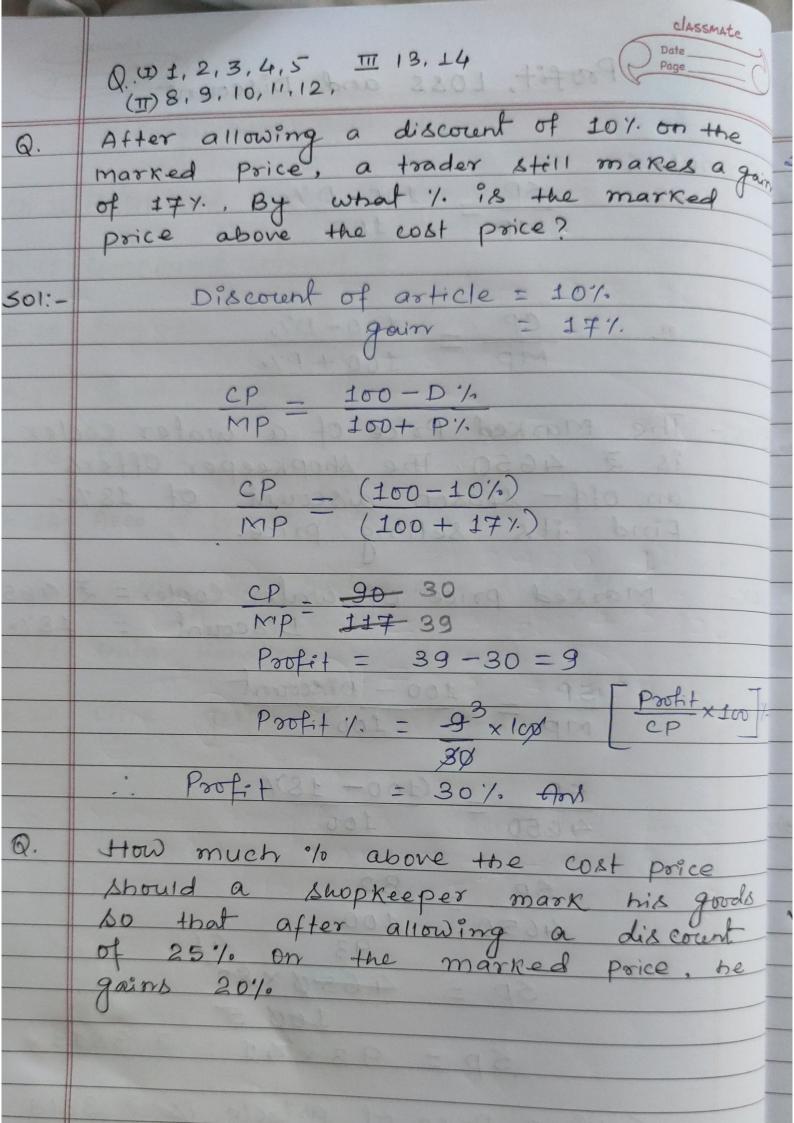
Find its selling price.

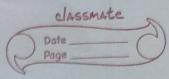
ol:- Marked price of water Cooler = 7 463

Discount = 18%

$$SP = (100 - 18)/.$$
 $4650 100$ 

Selling Price of asticle is & 3813





Let be cost price be ne 501%selling price = (100+8) = \$ 108 Discount = 10xx = x 100 10 x-x=10810 10x - x = 10810 9x = 1080x = 120Hence, the marked price is (120-100) = 20% Sales Tax / value Added Tax (VAT) SALFS TAX: - Sales Tax is charged by the shopkeeper from the customer on selling price of an item and is added to the value of the bill. VAT: - The price of the articles include the tax, called VAT

us- The cost of a TV set at a Show room was & 36500. The sales tax charged was 8%. find so amount. cost of TV set = \$ 36500 10+ Sales tax = 8% of 36500 8 × 36500 5 8 x 365 = 7 2920 Bill amount = 36500 + 2920 Bill amount = 2 39420 And 0.1,2,3,4 Mohini bought a computer for \$3736 including VAT at 41. what is the Original price of the computer? 0, 6, 7, 8

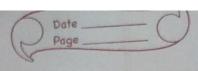
MEDA SOSTEEL Let the original price of the computer x VAT = 41.0 of x = 41 xx = x 100 25 Price including VAT = (x+x) = 26x 25 26x - 37960 25 x - 37960x 25 26 x = 36500 Hence, the original Price of Computer is

VAT including Ows. Q. 3, 4, 5, 6,7 QU8:- Mobit bought a shirt for \$ 1337.50 including VAT at 7%. Find the original Price of the swirt. Let original Price of the Swirt be Ex 501:-VAT = 71.0f x = 7 x x = 7x100

100 Price including VAT = x + 7x = 107x100 1337.50 = 107% 100 et the oxiginal frice of the 1079 \_ 133750 100 100 107x = 1337502 = 133750 107 2 = 1250 Hence, Original Price of the Burt is \$ 1250

VAT 10 based QUSS- Robit Purchased a pair of shoes & 882 inclusive of VAT. If the original Price of VCR be \$840. find the rate of VA Let the vale of NAT be x10 501:+ => 840 + x1. of 840 = 882 > x x 840 = 882-840 84% = 42 10 5 00 0 = 42 × 100 84 8 2 = 5% :. Rate of VAT is 5 % Ans

19980	Page Page
1830	1 2 NOP for \$ 19980
Qus:	Malti bought a VCR for \$\frac{19980}{19980}  Malti bought a VCR for \$\frac{19980}{19980}  Including VAT. If the original price of VCR be \$\frac{1}{2}\$ 18500, find the
+	including he 2 18500, find the
-	rate of VAT.
501:-	let the rate of VAT be x%
	18500 + x1. of 18500 = 19980
	$\Rightarrow$ $\chi$ $\chi$ 18500 = 19980 - 18500
	100
	185x = 1480
	⇒ 2 = 1480
	185
	100
	2 = 8.10
	Hence, Rate of VAT = 81/2 Ans





## GURUKUL INTERNATIONAL SCHOOL 3



**SESSION 2024-25** PROXY WORSHEET

Ch.-10 PROFIT AND LOSS CLASS: - VIII

LEVEL - I SUBJECT: MATHS

- Q.1 A student buys a pen for Rs 90 and sells it for Rs 100. Find his gain and gain %
- Q.2 The cost price of 10 articles is equal to the selling price of 9 articles. Find the profit percent.
- Q.3 If the selling price of 18 oranges is equal to the cost price of 16 oranges, find the loss percent.
- Q.4 . Find the S.P.
  - if (i) M.P. = Rs 1300 and Discount = 10%
    - (ii) M.P. = Rs 500 and Discount = 15%
- Q.5 On the eve of Gandhi Jayanti a sari is sold for Rs. 720 after allowing 20% discount. What is its marked price?
- Q.6 A tradesman marks his goods at such a price that after allowing a discount of 15%, he makes a profit of 20%. What is the marked price of an article whose cost price is Rs. 170?
- Q.7 The marked price of a water cooler is Rs 4650. The shopkeeper offers an Off-season discount of 18% on it. Find its selling price
- Q.8 After allowing a discount of 8% on a toy, it is sold for Rs 216.20. Find the marked price of the toy
- Q.9 A dealer marks his goods at 35% above the cost price and allows a discount of 20% on the marked price. Find his gain or loss per cent.
- Q.10 The marked price of TV is Rs 18500. A dealer allows two successive discounts of 20% and 5%. For how much is the TV available?
- Q.11 How much per cent above the cost price should a shopkeeper mark his goods so that after allowing a discount of 10% on the marked price, he gains 8%?