

Problem-1: Determine the missing amounts.

Unit Selling Price	Unit Variable Costs	Unit Contribution Margin	Contribution Margin Ratio
Tk. 6400	Tk. 3520	?	?
Tk. 3000	?	Tk. 930	?
?	?	Tk. 3250	25%

Problem-2: Jian Ltd. has a unit selling price of 5,200, variable costs per unit of 2,860, and fixed costs of 638,000. Compute the break-even point in units using (a) the mathematical equation (b) unit contribution margin.

Problem-3: For ASforia Equipment actual sales are Tk. 1,000 and break-even sales are Tk. 800 compute (a) the margin of safety and (b) the margin of safety ratio

Problem-4: Billings Company has the following information available for September 2017.

Unit selling price of video game consoles	\$ 400
Unit variable costs	\$ 280
Total fixed costs	\$54,000
Units sold	600

**Instructions**

- Compute the unit contribution margin.
- Prepare a CVP income statement that shows both total and per unit amounts.
- Compute Billings' break-even point in units.
- Prepare a CVP income statement for the break-even point that shows both total and per unit amounts.

Problem-5: Naylor Company had \$210,000 of net income in 2016 when the selling price per unit was \$150, the variable costs per unit were \$90, and the fixed costs were \$570,000. Management expects per unit data and total fixed costs to remain the same in 2017. The president of Naylor Company is under pressure from stockholders to increase net income by \$52,000 in 2017.

**Instructions**

- Compute the number of units sold in 2016.
- Compute the number of units that would have to be sold in 2017 to reach the stockholders' desired profit level.
- Assume that Naylor Company sells the same number of units in 2017 as it did in 2016. What would the selling price have to be in order to reach the stockholders' desired profit level?

Problem-6: In 2016, Manhoff co. had a break – even- point of Tk. 350000 based on a selling price of tk. 5 per unit and fixed cost of tk. 112000. In 2017, the selling price and variable cost per unit was same, but BEP was tk. 420000.

Req: i) Variable Cost per Unit and CM ratio for 2016

ii) Fixed cost of 2017