

Answer Key

1) B

When the volume increases, the total cost of Product A increases; as such, the cost of Product A is a variable cost. The fixed cost per unit of Product B decreases when volume increases; as such, the cost of Product B is a fixed cost.

2) A

Net income = Sales revenue – Variable cost – Fixed cost

Before the price change:

Quick Change: Net income = $(5,000 \times \$20 \text{ per unit}) - \$0 - \$40,000 = \$60,000$

Fast Change: Net income = $(5,000 \times \$20 \text{ per unit}) - (5,000 \times \$8 \text{ per unit}) - \$0 = \$60,000$

After the price change:

Quick Change: Net income = $(6,000 \times \$18 \text{ per unit}) - \$0 - \$40,000 = \$68,000$

Fast Change: Net income = $(4,000 \times \$20 \text{ per unit}) - (4,000 \times \$8 \text{ per unit}) - \$0 = \$48,000$

3) B

When sales change, the amount of the corresponding change in net income is directly influenced by the company's cost structure. The more fixed cost, the greater the fluctuation in net income. Since Company A's net income is substantially higher than Company B's when both companies experience an equal increase in sales, Company A has a fixed cost structure while Company B has a variable cost structure.

4) A

Contribution margin = Revenues – Variable expenses

Contribution margin = $\$268,000 - (\$91,000 + \$36,000) = \$141,000$

Answer Key To Act 0968e

JA Banks



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web notice that the mole fraction has no units on it and is written as a decimal value do not change it to percent note of caution you could see the term mole percent it is simply the mole fraction multiplied by 100 for example in the problem just below the mole fraction of cinnamic acid is 0 2885 its mole percent would be 28 85

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web since the mole fraction of the O_2 is 0.050 it contributes 0.050 or if you will 5.0% of the total pressure thus total pressure is 0.2105042 atm problem 9 a sample of 1.43 g of helium and an unweighed quantity of O_2 are mixed in a flask at room temperature