

**Corporate Finance: Core Principles & Apps, 5e (Ross)**  
**Chapter 2 Financial Statements and Cash Flow**

- 1) A current asset is best defined as
- A) the market value of all assets currently owned by the firm.
  - B) an asset the firm expects to purchase within the next year.
  - C) the amount of cash on hand the firm currently shows on its balance sheet.
  - D) cash and other assets owned by the firm that should convert to cash within the next year.
  - E) the value of fixed assets the firm expects to sell within the next year.

Answer: D  
Difficulty: 1 Easy  
Section: 2.1 The Balance Sheet  
Topic: Balance sheet  
Bloom's: Level 1 Remember  
Accessibility: Keyboard Navigation

- 2) The long-term debts of a firm are liabilities
- A) owed to the firm's stockholders.
  - B) that do not come due for at least 12 months.
  - C) owed to the firm's suppliers.
  - D) that come due within the next 12 months.
  - E) the firm expects to incur within the next 12 months.

Answer: B  
Difficulty: 1 Easy  
Section: 2.1 The Balance Sheet  
Topic: Balance sheet  
Bloom's: Level 1 Remember  
Accessibility: Keyboard Navigation

- 3) A(n) \_\_\_\_\_ asset is one that can be quickly converted into cash without significant loss in value.
- A) tangible
  - B) fixed
  - C) intangible
  - D) liquid
  - E) long-term

Answer: D  
Difficulty: 1 Easy  
Section: 2.1 The Balance Sheet  
Topic: Liquidity  
Bloom's: Level 1 Remember  
Accessibility: Keyboard Navigation

- 4) Current assets include
- A) inventory and accounts receivable.
  - B) accounts payable and cash.
  - C) cash and intangible assets.
  - D) inventory and accounts payable.
  - E) buildings and equipment.

Answer: A

Difficulty: 1 Easy

Section: 2.1 The Balance Sheet

Topic: Balance sheet

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

- 5) An example of a current liability is
- A) a loan secured by a mortgage and payable in 8 months.
  - B) any loan payable to a bank.
  - C) all accounts due from customers within the next year.
  - D) a note payable in full in 18 months.
  - E) an account due from a customer that is past due.

Answer: A

Difficulty: 2 Medium

Section: 2.1 The Balance Sheet

Topic: Balance sheet

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 6) Which one of the following accounts is generally the most liquid?
- A) Patent
  - B) Building
  - C) Accounts receivable
  - D) Equipment
  - E) Inventory

Answer: C

Difficulty: 2 Medium

Section: 2.1 The Balance Sheet

Topic: Liquidity

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 7) Which one of the following statements concerning liquidity is correct?
- A) Fixed assets are more liquid than current assets.
  - B) Balance sheet accounts are listed in order of decreasing liquidity.
  - C) Liquid assets tend to be highly profitable.
  - D) The less liquidity a firm has, the lower the probability the firm will encounter financial difficulties.
  - E) Trademarks and patents are highly liquid.

Answer: B

Difficulty: 1 Easy

Section: 2.1 The Balance Sheet

Topic: Balance sheet

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

- 8) Liquidity is
- A) a measure of the use of debt in a firm's capital structure.
  - B) equal to current assets minus current liabilities.
  - C) equal to the market value of a firm's total assets minus its current liabilities.
  - D) generally associated with intangible assets.
  - E) valuable to a firm even though liquid assets tend to be less profitable to own.

Answer: E

Difficulty: 2 Medium

Section: 2.1 The Balance Sheet

Topic: Liquidity

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 9) Book value is
- A) based on historical cost.
  - B) equivalent to market value for firms with fixed assets.
  - C) more of a financial than an accounting valuation.
  - D) the amount a willing buyer will pay for an asset.
  - E) adjusted to market value whenever the market value exceeds the stated book value.

Answer: A

Difficulty: 1 Easy

Section: 2.1 The Balance Sheet

Topic: Market and book values

Bloom's: Level 1 Remember

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- 10) When making financial decisions related to assets, you should
- A) place primary emphasis on historical costs.
  - B) place more emphasis on book values than on market values.
  - C) rely primarily on the value of assets as shown on the balance sheet.
  - D) always consider market values.
  - E) only consider market values if they are less than book values.

Answer: D

Difficulty: 1 Easy

Section: 2.1 The Balance Sheet

Topic: Market and book values

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

- 11) Which one of these, all else held constant, will increase the value of stockholders' equity?
- A) Decrease in accounts receivable
  - B) Increase in long-term debt
  - C) Decrease in retained earnings
  - D) Increase in accounts payable
  - E) Increase in fixed assets

Answer: E

Difficulty: 2 Medium

Section: 2.1 The Balance Sheet

Topic: Balance sheet

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 12) Which one of these statements is correct?
- A) Long-term debt is the residual difference between assets and liabilities.
  - B) Net income that is not paid out in dividends decreases retained earnings.
  - C) Long-term debt requires a payout of cash within a stated time period.
  - D) Stockholders' equity is stated at market value on the balance sheet.
  - E) Stockholders' equity increases as the liquidity of a firm increases.

Answer: C

Difficulty: 2 Medium

Section: 2.1 The Balance Sheet

Topic: Balance sheet

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 13) The carrying value or book value of assets
- A) is always the best measure of a company's value to an investor.
  - B) represents an average market value over time.
  - C) is always higher than the replacement cost of the assets.
  - D) is determined under GAAP and is based on the cost of the assets.
  - E) is determined under GAAP and is based on the current market value of the assets.

Answer: D

Difficulty: 1 Easy

Section: 2.1 The Balance Sheet

Topic: Market and book values

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

- 14) Stockholders' equity is equal to
- A) net working capital plus long-term liabilities.
  - B) current assets plus fixed assets minus long-term liabilities.
  - C) total assets plus total liabilities.
  - D) current assets minus total liabilities plus fixed assets.
  - E) net working capital plus total fixed assets.

Answer: D

Difficulty: 2 Medium

Section: 2.1 The Balance Sheet

Topic: Balance sheet

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 15) The income statement
- A) measures a firm's performance as of a specific date.
  - B) determines the aftertax income of a firm.
  - C) excludes deferred taxes.
  - D) includes dividends as an expense.
  - E) determines the value of a firm to its stockholders.

Answer: B

Difficulty: 1 Easy

Section: 2.2 The Income Statement

Topic: Income statement

Bloom's: Level 1 Remember

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- 16) As seen on an income statement,
- A) interest is deducted from income and increases the total taxes incurred.
  - B) depreciation reduces both the pretax income and the net income.
  - C) depreciation is shown as an expense but does not affect the taxes payable.
  - D) the tax rate is applied to the earnings before interest and taxes when the firm has both depreciation and interest expenses.
  - E) both dividends and interest expense reduce corporate income taxes.

Answer: B

Difficulty: 2 Medium

Section: 2.2 The Income Statement

Topic: Income statement

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

17) Depreciation

- A) reduces both the net fixed assets and the costs of a firm.
- B) decreases net fixed assets, net income, and operating cash flows.
- C) is a noncash expense that decreases the selling, general, and administrative expenses.
- D) is a noncash expense that reduces the pretax income.
- E) increases the net fixed assets as shown on the balance sheet.

Answer: D

Difficulty: 2 Medium

Section: 2.2 The Income Statement

Topic: Noncash items

Bloom's: Level 2 Understand

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18) Noncash items refer to

- A) the credit sales of a firm.
- B) the accounts payable of a firm.
- C) all accounts on the balance sheet other than cash on hand.
- D) the costs incurred for the purchase of intangible fixed assets.
- E) expenses charged against revenues that do not directly affect cash flow.

Answer: E

Difficulty: 1 Easy

Section: 2.2 The Income Statement

Topic: Noncash items

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

- 19) Assume both current and deferred taxes are positive values. Given this, deferred taxes will
- A) reduce the current tax expense and thus increase net income.
  - B) increase expenses and increase operating cash flows.
  - C) increase expenses and lower operating cash flows.
  - D) reduce net income but not affect the operating cash flows.
  - E) reduce both net income and operating cash flows.

Answer: D

Difficulty: 2 Medium

Section: 2.2 The Income Statement

Topic: Noncash items

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 20) Which one of these will increase earnings per share?
- A) Decreasing deferred taxes
  - B) Increasing depreciation expense
  - C) Lowering the operating income
  - D) Increasing the average corporate tax rate
  - E) Increasing the addition to retained earnings by reducing dividends paid

Answer: A

Difficulty: 2 Medium

Section: 2.2 The Income Statement

Topic: Per-share valuations

Bloom's: Level 2 Understand

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- 21) Revenue is recorded on an income statement when
- A) payment for a sale has been received in full.
  - B) an order for goods is placed.
  - C) an exchange of goods or services has occurred and the earnings process is completed.
  - D) an order for goods or services is placed and an initial payment is received.
  - E) goods are placed in inventory and ready for future delivery.

Answer: C

Difficulty: 2 Medium

Section: 2.2 The Income Statement

Topic: Income statement

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 22) Expenses are recorded on an income statement based on
- A) their payment dates.
  - B) the date the expenses are expected.
  - C) the matching principle.
  - D) their invoice dates.
  - E) the average time principle.

Answer: C

Difficulty: 2 Medium

Section: 2.2 The Income Statement

Topic: Income statement

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 23) Earnings per share is computed as
- A) net income divided by total stockholders' equity.
  - B) EBIT divided by total stockholders' equity.
  - C) pretax income minus current taxes divided by total shares outstanding.
  - D) the addition to retained earnings divided by total shares outstanding.
  - E) net income divided by total shares outstanding.

Answer: E

Difficulty: 2 Medium

Section: 2.2 The Income Statement

Topic: Income statement

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 24) Which one of these is both a product cost and a fixed cost in the short run?
- A) Monthly electric bill for manufacturing facility
  - B) Salary for company CEO
  - C) Overtime pay for production employees
  - D) Sales commission paid based on monthly sales
  - E) Monthly lease payment for production equipment

Answer: E

Difficulty: 2 Medium

Section: 2.2 The Income Statement

Topic: Income statement

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation



25) Your \_\_\_\_\_ tax rate is the percentage of the next taxable dollar of income you earn that is payable as a tax.

- A) deductible
- B) residual
- C) marginal
- D) average
- E) total

Answer: C

Difficulty: 1 Easy

Section: 2.3 Taxes

Topic: Taxes

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

26) Your \_\_\_\_\_ tax rate measures the total taxes you pay divided by your total taxable income.

- A) average
- B) marginal
- C) total
- D) deductible
- E) residual

Answer: A

Difficulty: 1 Easy

Section: 2.3 Taxes

Topic: Taxes

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

27) When you are making a financial decision, the most relevant tax rate is the \_\_\_\_\_ rate.

- A) average
- B) fixed
- C) marginal
- D) total
- E) variable

Answer: C

Difficulty: 1 Easy

Section: 2.3 Taxes

Topic: Taxes

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

28) \_\_\_\_\_ refers to the difference between a firm's current assets and its current liabilities.

- A) Operating cash flow
- B) Capital spending
- C) Net working capital
- D) Cash flow from assets
- E) Cash flow to creditors

Answer: C

Difficulty: 1 Easy

Section: 2.4 Net Working Capital

Topic: Net working capital

Bloom's: Level 1 Remember

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29) A firm starts its year with positive net working capital. During the year, the firm acquires more short-term debt than it does short-term assets. This means that

- A) the ending net working capital might be positive, negative, or equal to zero.
- B) both accounts receivable and inventory decreased during the year.
- C) the beginning current assets were less than the beginning current liabilities.
- D) accounts payable increased and inventory decreased during the year.
- E) the ending net working capital will be negative.

Answer: A

Difficulty: 3 Hard

Section: 2.4 Net Working Capital

Topic: Net working capital

Bloom's: Level 3 Apply

Accessibility: Keyboard Navigation

30) \_\_\_\_\_ is calculated by adding back noncash expenses to earnings before interest and taxes, subtracting taxes, and adjusting for any changes in total assets or current liabilities that affect cash flows.

- A) Distributable cash flow
- B) Capital spending
- C) Cash flow from assets
- D) Cash flow from investing activities
- E) Cash flow to creditors

Answer: A

Difficulty: 2 Medium

Section: 2.5 Cash Flow of the Firm

Topic: Cash flows

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 31) \_\_\_\_\_ refers to a firm's interest payments minus any net new borrowing.
- A) Operating cash flow
  - B) Distributable cash flow
  - C) Net working capital
  - D) Cash flow to stockholders
  - E) Cash flow to creditors

Answer: E

Difficulty: 1 Easy

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow to creditors

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

- 32) \_\_\_\_\_ refers to a firm's dividend payments minus any net new equity raised.
- A) Operating cash flow
  - B) Capital spending
  - C) Net working capital
  - D) Cash flow to stockholders
  - E) Cash flow from creditors

Answer: D

Difficulty: 1 Easy

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow to stockholders

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

- 33) Al's has a positive net income and a marginal tax rate of 34 percent. Given this, an increase in which one of the following will cause the operating cash flow to increase?
- A) Fixed assets
  - B) Taxes
  - C) Net working capital
  - D) Cost of goods sold
  - E) Depreciation

Answer: E

Difficulty: 2 Medium

Section: 2.5 Cash Flow of the Firm

Topic: Operating cash flow

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 34) The cash flow to creditors increases when
- A) cash is used to reduce accounts payable.
  - B) new shares of stock are sold for cash.
  - C) interest is paid on outstanding debt.
  - D) an asset is sold for cash.
  - E) a long-term debt is incurred.

Answer: C

Difficulty: 2 Medium

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow to creditors

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 35) Cash flow to stockholders must be positive when
- A) the net sale of common stock exceeds the amount of dividends paid.
  - B) no income is distributed but new shares of stock are sold.
  - C) both the cash flow to assets and the cash flow to creditors are negative.
  - D) both the cash flow to assets and the cash flow to creditors are positive.
  - E) the dividends paid exceed the net new equity raised.

Answer: E

Difficulty: 2 Medium

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow to stockholders

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 36) What is the formula for computing operating cash flow?
- A)  $EBIT + Depreciation - Current\ taxes$
  - B)  $EBIT + Depreciation - Interest\ expense - Current\ taxes$
  - C)  $EBIT + NWC - Depreciation$
  - D)  $EBIT - Depreciation + Current\ taxes$
  - E)  $EBIT - Change\ in\ NWC + Depreciation - Current\ taxes$

Answer: A

Difficulty: 1 Easy

Section: 2.5 Cash Flow of the Firm

Topic: Operating cash flow

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

- 37) Capital spending is equal to
- A) the net purchases and sales of fixed assets.
  - B) total cash flow to stockholders less interest and dividends paid.
  - C) net income plus depreciation.
  - D) the net change in total assets.
  - E) the change in current assets minus the change in current liabilities.

Answer: A

Difficulty: 2 Medium

Section: 2.5 Cash Flow of the Firm

Topic: Capital spending

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 38) Cash flow to stockholders is best defined as
- A) the total dividends paid.
  - B) the cash flow from assets plus the cash flow to creditors.
  - C) cash dividends plus repurchases of equity minus new equity financing.
  - D) repurchases of equity less cash dividends paid plus new equity sold.
  - E) the net change in common stock and capital surplus.

Answer: C

Difficulty: 2 Medium

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow to stockholders

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 39) Free cash flow is
- A) equal to net income.
  - B) equal to net income plus taxes.
  - C) a term used to describe an increase in net working capital.
  - D) cash that is available to distribute to creditors and equity holders.
  - E) another term for operating cash flow.

Answer: D

Difficulty: 1 Easy

Section: 2.5 Cash Flow of the Firm

Topic: Free cash flow

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

40) The cash flow of a firm, also referred to as cash flow from assets, must be equal to the cash flow to

- A) debt holders minus the cash flow to equity holders.
- B) equity holders plus the cash flow to debt holders.
- C) the government plus the cash flow to equity holders.
- D) equity holders minus the cash flow to debt holders.
- E) the government, the debt holders, and the equity holders.

Answer: B

Difficulty: 1 Easy

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow from assets

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

41) Which one of these is handled differently in calculating cash flows for accounting versus financial purposes?

- A) Change in net working capital
- B) Depreciation expense
- C) Interest expense
- D) Deferred taxes
- E) Dividends paid

Answer: C

Difficulty: 1 Easy

Section: 2.6 The Accounting Statement of Cash Flows

Topic: Cash flows

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

42) \_\_\_\_\_ refers to the cash flow resulting from a firm's ongoing, normal business activities.

- A) Cash flow from assets
- B) Net working capital
- C) Capital spending
- D) Cash flow from operating activities
- E) Cash flow from investing activities

Answer: D

Difficulty: 1 Easy

Section: 2.6 The Accounting Statement of Cash Flows

Topic: Operating activities

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

- 43) \_\_\_\_\_ refers to the changes in net fixed assets.
- A) Cash flow from assets
  - B) Net working capital
  - C) Cash flow from investing activities
  - D) Cash flow from operating activities
  - E) Cash flow to creditors

Answer: C

Difficulty: 1 Easy

Section: 2.6 The Accounting Statement of Cash Flows

Topic: Investing activities

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

- 44) A change in which one of these accounts will appear as an investing activity in an accounting statement of cash flows?
- A) Accounts payable
  - B) Inventory
  - C) Interest expense
  - D) Fixed assets
  - E) Sales

Answer: D

Difficulty: 1 Easy

Section: 2.6 The Accounting Statement of Cash Flows

Topic: Investing activities

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

- 45) A change in which one of these accounts is treated as a cash flow from operating activities in an accounting statement of cash flows?
- A) Long-term debt
  - B) Inventory
  - C) Dividends
  - D) Fixed assets
  - E) Depreciation

Answer: B

Difficulty: 1 Easy

Section: 2.6 The Accounting Statement of Cash Flows

Topic: Operating activities

Bloom's: Level 1 Remember

Accessibility: Keyboard Navigation

- 46) The cash flow from operating activities decreases when
- A) fixed assets are sold.
  - B) interest expense increases.
  - C) dividends increase.
  - D) depreciation increases.
  - E) accounts receivables decrease.

Answer: B

Difficulty: 2 Medium

Section: 2.6 The Accounting Statement of Cash Flows

Topic: Operating activities

Bloom's: Level 2 Understand

Accessibility: Keyboard Navigation

- 47) A firm has total equity of \$2,011, net working capital of \$175, long-term debt of \$890, and current liabilities of \$420. What is the amount of the net fixed assets?
- A) \$2,325
  - B) \$2,974
  - C) \$2,726
  - D) \$3,075
  - E) \$2,825

Answer: C

Explanation: Net fixed assets =  $\$890 + \$2,011 - \$175 = \$2,726$

Difficulty: 3 Hard

Section: 2.1 The Balance Sheet

Topic: Balance sheet

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

- 48) A firm has \$480 in inventory, \$1,860 in fixed assets, \$520 in accounts receivables, \$190 in net working capital, and \$120 in cash. What is the amount of the current liabilities?
- A) \$550
  - B) \$770
  - C) \$820
  - D) \$760
  - E) \$930

Answer: E

Explanation: Current liabilities =  $(\$120 + \$520 + \$480) - \$190 = \$930$

Difficulty: 3 Hard

Section: 2.1 The Balance Sheet

Topic: Net working capital

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation



49) Brad's Company has equipment with a book value of \$1,380 that could be sold today at a 20 percent discount. Its inventory is valued at \$360 and could be sold to a competitor for 90 percent of that value. The firm has \$45 in cash and customers owe them \$240, of which 97 percent is collectible. What is the accounting value of its liquid assets?

- A) \$601.80
- B) \$350.00
- C) \$2,025.00
- D) \$645.00
- E) \$1,705.80

Answer: D

Explanation: Liquid assets =  $\$360 + \$45 + \$240 = \$645$

Difficulty: 3 Hard

Section: 2.1 The Balance Sheet

Topic: Liquidity

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

50) Martha's Enterprises spent \$3,300 to purchase equipment 2 years ago. This equipment is currently valued at \$2,357 on today's balance sheet but could actually be sold for \$2,750. Net working capital is \$860 and long-term debt is \$1,650. Assuming this equipment is the firm's only fixed asset, what is the book value of shareholders' equity?

- A) \$1,960
- B) \$1,800
- C) \$1,567
- D) \$2,510
- E) \$1,633

Answer: C

Explanation: Book value of shareholders' equity =  $\$2,357 + \$860 - \$1,650 = \$1,567$

Difficulty: 3 Hard

Section: 2.1 The Balance Sheet

Topic: Market and book values

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

51) A firm has beginning retained earnings of \$4,200 and ending retained earnings of \$4,150. What is the amount of dividends paid if the firm earned a net income of \$1,950?

- A) \$1,500
- B) \$1,950
- C) \$1,900
- D) \$2,000
- E) \$2,100

Answer: D

Explanation: Dividends paid = \$1,950 – (\$4,150 – \$4,200) = \$2,000

Difficulty: 3 Hard

Section: 2.2 The Income Statement

Topic: Statement of retained earnings

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

52) MLM Enterprises has net income of \$984, interest expense of \$146, sales of \$6,320, addition to retained earnings of \$495, selling and general expenses of \$1,210, and depreciation of \$1,140. What is the amount of dividends paid if the tax rate is 34 percent?

- A) \$1,479
- B) \$1,162
- C) \$489
- D) \$507
- E) \$783

Answer: C

Explanation: Dividends paid = \$984 – \$495 = \$489

Difficulty: 3 Hard

Section: 2.2 The Income Statement

Topic: Income statement

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

53) Assume sales are \$1,100, cost of goods sold is \$510, depreciation expense is \$80, interest paid is \$40, selling and general expenses are \$230, dividends paid is \$45, and the tax rate is 34 percent. What is the addition to retained earnings?

- A) \$203.40
- B) \$113.40
- C) \$166.20
- D) \$109.60
- E) \$158.40

Answer: B

Explanation:  $\text{Net income} = (1 - 0.34)(\$1,100 - \$510 - \$230 - \$80 - \$40) = \$158.40$

Addition to retained earnings =  $\$158.40 - \$45 = \$113.40$

Difficulty: 3 Hard

Section: 2.2 The Income Statement

Topic: Income statement

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

54) Lester's has \$33,600 in sales, \$17,200 in cost of goods sold, \$2,300 in depreciation, \$980 in interest expense, and \$5,800 in selling, general, and administrative expenses. The firm owes no taxes for this year. What is the amount of the period costs that are included in the operating cash flow?

- A) \$25,300
- B) \$3,280
- C) \$23,980
- D) \$23,000
- E) \$5,800

Answer: E

Explanation:  $\text{Period costs} = \text{Selling, general, and administrative expenses} = \$5,800$

Difficulty: 2 Medium

Section: 2.2 The Income Statement

Topic: Income statement

Bloom's: Level 2 Understand

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

55) The Down Towner has annual costs of goods sold of \$42,600, interest expense of \$650, selling and administrative expenses of \$7,800, dividends paid of \$1,200, depreciation of \$1,100, and a tax rate of 34 percent. What is the firm's taxable income if it added \$2,500 to retained earnings during the year?

- A) \$2,181.30
- B) \$8,711.18
- C) \$3,700.00
- D) \$5,606.06
- E) \$10,882.35

Answer: D

Explanation: Net income = \$1,200 + \$2,500 = \$3,700

Taxable income = \$3,700 / (1 - 0.34) = \$5,606.06

Difficulty: 3 Hard

Section: 2.2 The Income Statement

Topic: Income statement

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

56) Brewster's has annual sales of \$11,800, dividends of \$270, interest expense of \$320, cost of goods sold of \$7,230, addition to retained earnings of \$510, selling and administrative expenses of \$1,940, and a tax rate of 34 percent. What is the amount of the depreciation expense?

- A) \$584.18
- B) \$1,385.82
- C) \$1,128.18
- D) \$1,215.00
- E) \$1,474.24

Answer: C

Explanation: Net income = \$270 + \$510 = \$780

Taxable income = \$780 / (1 - 0.34) = \$1,181.82

Earnings before interest and taxes = \$1,181.82 + \$320 = \$1,501.82

Depreciation = \$11,800 - \$7,230 - \$1,940 - \$1,501.82 = \$1,128.18

Difficulty: 3 Hard

Section: 2.2 The Income Statement

Topic: Income statement

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

57) Assume sales are \$2,220; cost of goods sold is \$1,055, general expenses are \$630, depreciation expense is \$210, and the tax rate is 35 percent. What is the net income amount if the firm paid \$40 in interest expense?

- A) \$171.25
- B) \$99.75
- C) \$185.25
- D) \$120.25
- E) \$270.75

Answer: C

Explanation: Net Income =  $(1 - 0.35)(\$2,220 - \$1,055 - \$630 - \$210 - \$40) = \$185.25$

Difficulty: 3 Hard

Section: 2.2 The Income Statement

Topic: Income statement

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

58) Atlantic Fisheries has an EBIT of \$3,280, depreciation of \$1,850, cost of goods sold of \$6,920, dividends paid of \$750, interest expense of \$860, and sales of \$6,500. What is the taxable income?

- A) \$2,376
- B) \$1,805
- C) \$1,610
- D) \$1,670
- E) \$2,420

Answer: E

Explanation: Taxable income =  $\$3,280 - \$860 = \$2,420$

Difficulty: 3 Hard

Section: 2.2 The Income Statement

Topic: Income statement

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

59) Art's Boutique has sales of \$610,000 and costs of \$480,000. Interest expense is \$40,000, dividends paid is \$37,000, and depreciation is \$60,000. The tax rate is 34 percent and there are 8,500 shares of stock outstanding. What is the earnings per share?

- A) \$1.99
- B) \$2.33
- C) \$3.53
- D) \$4.28
- E) \$2.67

Answer: B

Explanation: Earnings per share =  $[(\$610,000 - \$480,000 - \$60,000 - \$40,000)(1 - 0.34)] / 8,500 = \$2.33$

Difficulty: 3 Hard

Section: 2.2 The Income Statement

Topic: Income statement

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

60) Given the tax rates as shown, what is the average tax rate for a firm with taxable income of \$228,610?

Taxable Income	Tax Rate
\$0 – 50,000	15%
50,001 – 75,000	25%
75,001 – 100,000	34%
100,001 – 335,000	39%

- A) 36.38%
- B) 33.88%
- C) 31.67%
- D) 34.64%
- E) 39.00%

Answer: C

Explanation: Tax =  $0.15(\$50,000) + 0.25(\$25,000) + 0.34(\$25,000) + 0.39(\$228,610 - \$100,000) = \$72,407.90$

Average tax rate =  $\$72,407.90 / \$228,610 = 0.3167$ , or 31.67%

Difficulty: 3 Hard

Section: 2.3 Taxes

Topic: Taxes

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

61) The tax rates are as shown. Your firm currently has taxable income of \$73,900. How much additional tax will the firm owe if it increases its taxable income by \$10,000?

Taxable Income	Tax Rate
\$0 – 50,000	15%
50,001 – 75,000	25%
75,001 – 100,000	34%
100,001 – 335,000	39%

- A) \$3,400
- B) \$3,500
- C) \$2,500
- D) \$2,950
- E) \$3,301

Answer: E

Explanation: Additional tax =  $0.25(\$75,000 - \$73,900) + 0.34[\$10,000 - (\$75,000 - \$73,900)] = \$3,301$

Difficulty: 3 Hard

Section: 2.3 Taxes

Topic: Taxes

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking

62) The tax rates are as shown. Lasseter's currently has taxable income of \$163,400. What is the firm's average tax rate?

Taxable Income	Tax Rate
\$0 – 50,000	15%
50,001 – 75,000	25%
75,001 – 100,000	34%
100,001 – 335,000	39%

- A) 34.00%
- B) 36.03%
- C) 28.75%
- D) 39.00%
- E) 30.32%

Answer: C

Explanation: Average tax rate =  $[0.15(\$50,000) + 0.25(\$25,000) + 0.34(\$25,000) + 0.39(\$163,400 - \$100,000)] / \$163,400 = 0.2875$ , or 28.75%

Difficulty: 3 Hard

Section: 2.3 Taxes

Topic: Taxes

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

63) Total assets are \$2,630, fixed assets are \$1,825, long-term debt is \$1,015, and short-term debt is \$530. What is the amount of net working capital?

- A) \$1,295
- B) \$275
- C) \$1,085
- D) \$350
- E) \$400

Answer: B

Explanation: Net working capital =  $(\$2,630 - \$1,825) - \$530 = \$275$

Difficulty: 3 Hard

Section: 2.4 Net Working Capital

Topic: Net working capital

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

64) School House Antiques has current assets of \$340 and current liabilities of \$190 at the end of the year. At the beginning of the year, the current assets were \$415 and the current liabilities were \$210. What is the change in net working capital?

- A) -\$95
- B) \$0
- C) \$55
- D) \$95
- E) -\$55

Answer: E

Explanation: Change in net working capital =  $(\$340 - \$190) - (\$415 - \$210) = -\$55$

Difficulty: 3 Hard

Section: 2.4 Net Working Capital

Topic: Net working capital

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation



65) You are given the following balance sheets.

	2016	2017
Assets		
Cash	\$ 101	\$ 128
Other current assets	289	307
Net fixed assets	<u>624</u>	<u>631</u>
Total assets	<u>\$ 1,014</u>	<u>\$ 1,066</u>
Liabilities and Equity		
Accounts payable	\$ 123	\$ 118
Long-term debt	306	302
Stockholders' equity	<u>585</u>	<u>646</u>
Total liabilities and equity	<u>\$ 1,014</u>	<u>\$ 1,066</u>

What is the change in the net working capital from 2016 to 2017?

- A) \$45
- B) -\$35
- C) \$50
- D) -\$50
- E) \$35

Answer: C

Explanation: Change in net working capital =  $(\$128 + \$307 - \$118) - (\$101 + \$289 - \$123) = \$50$

Difficulty: 3 Hard

Section: 2.4 Net Working Capital

Topic: Net working capital

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

66) Charter Tours has the following balance sheets:

	2016	2017
Assets		
Cash	\$ 203	\$ 197
Accounts receivable	684	726
Inventory	918	1,023
Net fixed assets	2,014	1,989
Total assets	<u>\$ 3,819</u>	<u>\$ 3,935</u>
Liabilities and Equity		
Accounts payable	\$ 748	\$ 818
Deferred taxes	306	302
Long-term debt	1,647	1,722
Stockholders' equity	1,118	1,093
Total liabilities and equity	<u>\$ 3,819</u>	<u>\$ 3,935</u>

What is the amount of net working capital for 2017?

- A) \$751
- B) \$1,057
- C) \$1,128
- D) \$1,734
- E) \$826

Answer: C

Explanation:  $NWC_{2017} = \$197 + \$726 + \$1,023 - \$818 = \$1,128$

Difficulty: 3 Hard

Section: 2.4 Net Working Capital

Topic: Net working capital

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

67) Frederick Antiques has the following balance sheets:

	2016	2017
Assets		
Cash	\$ 182	\$ 153
Accounts receivable	911	979
Inventory	1,304	1,223
Net fixed assets	2,659	2,037
Total assets	<u>\$ 5,056</u>	<u>\$ 4,392</u>
Liabilities and Equity		
Accounts payable	\$ 1,248	\$ 1,318
Deferred taxes	103	97
Long-term debt	2,804	2,607
Stockholders' equity	901	370
Total liabilities and equity	<u>\$ 5,056</u>	<u>\$ 4,392</u>

What is the change in net working capital?

- A) -\$118
- B) \$34
- C) \$12
- D) \$144
- E) -\$112

Answer: E

Explanation: Change in NWC =  $(\$153 + \$979 + \$1,223 - \$1,318) - (\$182 + \$911 + \$1,304 - \$1,248) = -\$112$

Difficulty: 3 Hard

Section: 2.4 Net Working Capital

Topic: Net working capital

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

68) Murphy's Outlet has the following balance sheets:

	2016	2017
Assets		
Cash	\$ 214	\$ 187
Accounts receivable	1,306	1,259
Inventory	1,847	2,048
Net fixed assets	3,511	3,287
Total assets	<u>\$ 6,878</u>	<u>\$ 6,781</u>
Liabilities and Equity		
Accounts payable	\$ 1,414	\$ 1,632
Other current liabilities	624	598
Long-term debt	1,320	1,264
Stockholders' equity	3,520	3,287
Total liabilities and equity	<u>\$ 6,878</u>	<u>\$ 6,781</u>

What is the change in net working capital?

- A) -\$65
- B) \$91
- C) \$65
- D) -\$91
- E) \$57

Answer: A

Explanation: Change in NWC =  $(\$187 + \$1,259 + \$2,048 - \$1,632 - \$598) - (\$214 + \$1,306 + \$1,847 - \$1,414 - \$624) = -\$65$

Difficulty: 3 Hard

Section: 2.4 Net Working Capital

Topic: Net working capital

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

69) Nel's Place has total sales of \$1,456, costs are \$782, and depreciation is \$115. The tax rate is 34 percent. The firm does not have any interest expense. What is the operating cash flow?

- A) \$393.08
- B) \$524.40
- C) \$501.38
- D) \$483.94
- E) \$427.82

Answer: D

Explanation: Earnings before interest and taxes =  $\$1,456 - \$782 - \$115 = \$559$

Tax =  $0.34(\$559) = \$190.06$

Operating cash flow =  $\$559 + \$115 - \$190.06 = \$483.94$

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Operating cash flow

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

70) Teddy's Pillows had beginning net fixed assets of \$648 and ending net fixed assets of \$621. Assets valued at \$285 were sold during the year. Depreciation was \$76. What is the amount of net capital spending?

- A) \$334
- B) \$236
- C) \$115
- D) \$49
- E) \$66

Answer: D

Explanation: Net capital spending =  $\$621 - \$648 + \$76 = \$49$

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Capital spending

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

71) At the beginning of the year, Malek Farm's had long-term debt of \$687 and total debt of \$911. At the end of the year, the long-term debt is \$579 and total debt is \$898. If \$58 of interest was paid during the year, what is the cash flow to the creditors?

- A) -\$50
- B) -\$166
- C) \$71
- D) \$166
- E) \$50

Answer: D

Explanation: Cash flow to the creditors =  $\$58 - (\$579 - \$687) = \$166$

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow to creditors

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

72) Pete's Boats has beginning long-term debt of \$647 and ending long-term debt of \$749. The beginning and ending total debt balances are \$801 and \$768, respectively. The interest paid is \$54. What is the amount of the cash flow to the creditors?

- A) -\$10
- B) -\$48
- C) \$21
- D) \$156
- E) \$87

Answer: B

Explanation: Cash flow to the creditors =  $\$54 - (\$749 - \$647) = -\$48$

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow to creditors

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

73) Peggy Grey's Cookies has net income of \$2,918. The firm pays out 35 percent of the net income to its shareholders as dividends. During the year, the company sold \$150 worth of common stock. What is the cash flow to the stockholders?

- A) \$1,171.30
- B) \$871.30
- C) \$2,046.70
- D) \$1,224.20
- E) \$1,746.70

Answer: B

Explanation: Cash flow to the stockholders =  $0.35(\$2,918) - \$150 = \$871.30$

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow to stockholders

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

74) Thompson's Jet Skis has operating cash flow of \$994. Depreciation is \$102, taxes are \$298, and interest paid is \$65. A net total of \$82 was paid on long-term debt. The firm spent \$481 on fixed assets and increased its net working capital by \$32. What is the amount of the cash flow to stockholders?

- A) -\$104
- B) \$334
- C) \$464
- D) -\$114
- E) \$138

Answer: B

Explanation:  $CF(A) = \$994 - \$32 - \$481 = \$481$

$CF(B) = \$65 - (-\$82) = \$147$

$CF(S) = \$481 - \$147 = \$334$

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow to stockholders

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking

Accessibility: Keyboard Navigation

75) You have compiled the following information on the Shoe Store:

	2016	2017
Assets		
Cash	\$ 214	\$ 187
Accounts receivable	1,306	1,259
Inventory	1,847	2,048
Net fixed assets	3,511	3,287
Total assets	<u>\$ 6,878</u>	<u>\$ 6,781</u>
Liabilities and Equity		
Accounts payable	\$ 1,414	\$ 1,632
Other current liabilities	624	598
Long-term debt	1,320	1,264
Stockholders' equity	3,520	3,287
Total liabilities and equity	<u>\$ 6,878</u>	<u>\$ 6,781</u>
Sales		\$ 6,238
Cost of goods sold		2,789
General and administrative		847
Depreciation		415
EBIT		<u>\$ 2,187</u>
Interest		90
EBT		<u>\$ 2,097</u>
Taxes		713
Net income		<u>\$ 1,384</u>

What is the amount of the net capital spending for 2017?

- A) \$224
- B) \$639
- C) -\$224
- D) \$362
- E) \$191

Answer: E

Explanation: Net capital spending =  $\$3,287 - \$3,511 + \$415 = \$191$

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Capital spending

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking



76) You have compiled the following information on Winslow, Inc.:

	2016	2017
Assets		
Cash	\$ 298	\$ 306
Accounts receivable	3,006	3,422
Inventory	5,210	5,650
Net fixed assets	32,780	36,400
Total assets	<u>\$ 41,294</u>	<u>\$ 45,778</u>
Liabilities and Equity		
Accounts payable	\$ 6,219	\$ 6,184
Other current liabilities	1,880	1,625
Long-term debt	17,951	21,991
Stockholders' equity	15,244	15,978
Total liabilities and equity	<u>\$ 41,294</u>	<u>\$ 45,778</u>
Sales		\$ 11,418
Cost of goods sold		6,320
General and administrative		2,419
Depreciation		967
EBIT		<u>\$ 1,712</u>
Interest		230
EBT		<u>\$ 1,482</u>
Taxes		519
Net income		<u>\$ 963</u>

What is the cash flow of the firm, or CF(A), for 2017?

- A) -\$1,273
- B) -\$3,581
- C) \$1,273
- D) \$2,160
- E) \$3,414

Answer: B

Explanation: Operating cash flow = \$1,712 + \$967 - \$519 = \$2,160

Change in net working capital = (\$306 + \$3,422 + \$5,650 - \$6,184 - \$1,625) - (\$298 + \$3,006 + \$5,210 - \$6,219 - \$1,880) = \$1,154

Net capital spending = \$36,400 - \$32,780 + \$967 = \$4,587

Cash flow of the firm = \$2,160 - \$1,154 - \$4,587 = -\$3,581

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow from assets

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking

77) You have compiled the following information on Winslow, Inc.:

	2016	2017
Assets		
Cash	\$ 298	\$ 306
Accounts receivable	3,006	3,422
Inventory	5,210	5,650
Net fixed assets	32,780	36,400
Total assets	<u>\$ 41,294</u>	<u>\$ 45,778</u>
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Sales		\$ 11,418
Cost of goods sold		6,320
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EBIT		<u>\$ 1,712</u>
Interest		230
EBT		<u>\$ 1,482</u>
Taxes		519
Net income		<u>\$ 963</u>

What is the amount of net new borrowing for 2017?

- A) \$3,750
- B) \$3,250
- C) \$3,360
- D) \$4,040
- E) \$3,480

Answer: D

Explanation: Net new borrowing = \$21,991 – \$17,951 = \$4,040

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow to creditors

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking

78) You have compiled the following information on Winslow, Inc.:

	2016	2017
Assets		
Cash	\$ 298	\$ 306
Accounts receivable	3,006	3,422
Inventory	5,210	5,650
Net fixed assets	32,780	36,400
Total assets	<u>\$ 41,294</u>	<u>\$ 45,778</u>
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Accounts payable	\$ 6,219	\$ 6,184
Other current liabilities	1,880	1,625
Long-term debt	17,951	21,991
Stockholders' equity	15,244	15,978
Total liabilities and equity	<u>\$ 41,294</u>	<u>\$ 45,778</u>
Sales		\$ 11,418
Cost of goods sold		6,320
General and administrative		2,419
Depreciation		967
EBIT		<u>\$ 1,712</u>
Interest		230
EBT		<u>\$ 1,482</u>
Taxes		519
Net income		<u>\$ 963</u>

What is the cash flow to creditors for 2017?

- A) \$3,650
- B) -\$4,040
- C) \$3,350
- D) -\$4,270
- E) -\$3,810

Answer: E

Explanation:  $CF(B) = \$230 - (\$21,991 - \$17,951) = -\$3,810$

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow to creditors

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking

79) The financial information on Lazy Day, Inc. is as follows:

	2016	2017
Cash	\$ 138	\$ 97
Sales	10,204	11,317
Inventory	5,209	5,138
Depreciation	956	948
Cost of goods sold	4,207	4,618
Accounts payable	3,338	3,209
Long-term debt	4,200	3,800
Shareholders' equity	9,229	9,906
Accounts receivable	2,780	2,960
Net fixed assets	8,640	8,720
Interest expense	350	320
Selling and administrative expenses	1,015	984
Taxes	1,250	1,512

What is net capital spending for 2017?

- A) \$1,115
- B) \$1,028
- C) \$80
- D) \$210
- E) \$946

Answer: B

Explanation:  $NCS_{2017} = \$8,720 - \$8,640 + \$948 = \$1,028$

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Capital spending

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking

80) The financial information on Lazy Day, Inc. is as follows:

	2016	2017
Cash	\$ 138	\$ 97
Sales	10,204	11,317
Inventory	5,209	5,138
Depreciation	956	948
Cost of goods sold	4,207	4,618
Accounts payable	3,338	3,209
Long-term debt	4,200	3,800
Shareholders' equity	9,229	9,906
Accounts receivable	2,780	2,960
Net fixed assets	8,640	8,720
Interest expense	350	320
Selling and administrative expenses	1,015	984
Taxes	1,250	1,512

What is the operating cash flow for 2017?

- A) \$3,690
- B) \$4,203
- C) \$2,645
- D) \$5,331
- E) \$4,807

Answer: B

Explanation:  $EBIT = \$11,317 - \$4,618 - \$984 - \$948 = \$4,767$

$OCF = \$4,767 + \$948 - \$1,512 = \$4,203$

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Operating cash flow

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking

81) The financial information on Lazy Day, Inc. is as follows:

	2016	2017
Cash	\$ 138	\$ 97
Sales	10,204	11,317
Inventory	5,209	5,138
Depreciation	956	948
Cost of goods sold	4,207	4,618
Accounts payable	3,338	3,209
Long-term debt	4,200	3,800
Shareholders' equity	9,229	9,906
Accounts receivable	2,780	2,960
Net fixed assets	8,640	8,720
Interest expense	350	320
Selling and administrative expenses	1,015	984
Taxes	1,250	1,512

What is the cash flow of the firm, CF(A), for 2017?

- A) \$3,050
- B) \$2,813
- C) \$3,297
- D) \$3,147
- E) \$2,978

Answer: E

Explanation:  $EBIT = \$11,317 - \$4,618 - \$984 - \$948 = \$4,767$

$OCF = \$4,767 + \$948 - \$1,512 = \$4,203$

$Additions\ to\ net\ working\ capital = (\$97 + \$2,960 + \$5,138 - \$3,209) - (\$138 + \$2,780 + \$5,209 - \$3,338) = \$197$

$Net\ capital\ spending = \$8,720 - \$8,640 + \$948 = \$1,028$

$CF(A) = \$4,203 - \$197 - \$1,028 = \$2,978$

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow from assets

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking

82) The financial information on Lazy Day, Inc. is as follows:

	2016	2017
Cash	\$ 138	\$ 97
Sales	10,204	11,317
Inventory	5,209	5,138
Depreciation	956	948
Cost of goods sold	4,207	4,618
Accounts payable	3,338	3,209
Long-term debt	4,200	3,800
Shareholders' equity	9,229	9,906
Accounts receivable	2,780	2,960
Net fixed assets	8,640	8,720
Interest expense	350	320
Selling and administrative expenses	1,015	984
Taxes	1,250	1,512

What is the cash flow to creditors, CF(B), for 2017?

- A) \$400
- B) -\$915
- C) \$720
- D) -\$80
- E) \$915

Answer: C

Explanation: Cash flow to creditors or CF(B) =  $\$320 - (\$3,800 - \$4,200) = \$720$

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow to creditors

Bloom's: Level 3 Apply

AACSB: Analytical Thinking

83) The financial information on Lazy Day, Inc. is as follows:

	2016	2017
Cash	\$ 138	\$ 97
Sales	10,204	11,317
Inventory	5,209	5,138
Depreciation	956	948
Cost of goods sold	4,207	4,618
Accounts payable	3,338	3,209
Long-term debt	4,200	3,800
Shareholders' equity	9,229	9,906
Accounts receivable	2,780	2,960
Net fixed assets	8,640	8,720
Interest expense	350	320
Selling and administrative expenses	1,015	984
Taxes	1,250	1,512

What is the cash flow to stockholders, CF(S), for 2017?

- A) \$3,058
- B) \$2,063
- C) \$2,258
- D) \$2,428
- E) \$3,698

Answer: C

Explanation:  $EBIT = \$11,317 - \$4,618 - \$984 - \$948 = \$4,767$

$OCF = \$4,767 + \$948 - \$1,512 = \$4,203$

$Additions\ to\ net\ working\ capital = (\$97 + \$2,960 + \$5,138 - \$3,209) - (\$138 + \$2,780 + \$5,209 - \$3,338) = \$197$

$Net\ capital\ spending = \$8,720 - \$8,640 + \$948 = \$1,028$

$CF(A) = \$4,203 - \$197 - \$1,028 = \$2,978$

$CF(B) = \$320 - (\$3,800 - \$4,200) = \$720$

$CF(C) = \$2,978 - \$720 = \$2,258$

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow to stockholders

Bloom's: Level 4 Analyze

AACSB: Analytical Thinking



84) Pineapple Express has selling and administrative expenses of \$2,618, costs of goods sold of \$24,318, depreciation of \$915, and an interest expense of \$520. The firm paid \$150 in dividends and added \$384 to retained earnings for the year. What is the firm's operating cash flow if the tax rate is 35 percent?

What is the operating cash flow?

- A) \$1,823.14
- B) \$2,072.12
- C) \$1,969.00
- D) \$2,516.48
- E) \$2,208.15

Answer: C

Explanation: Net income = \$150 + \$384 = \$534

Taxable income = \$534 / (1 - 0.35) = \$821.54

Tax = 0.35(\$821.54) = \$287.54

Earnings before interest and taxes = \$821.54 + \$520 = \$1,341.54

Operating cash flow = \$1,341.54 + \$915 - \$287.54 = \$1,969.00

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Operating cash flow

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85) Whistler's sales for this past year were \$21,381. The interest expense was \$248, costs of goods sold were \$9,784, selling and general expenses were \$1,208, depreciation was \$811, and the addition to retained earnings was \$325. The firm sold \$500 of new stock shares and repurchased \$125 of outstanding shares.

What was the cash flow to stockholders if the tax rate was 34 percent?

- A) \$725.50
- B) \$670.25
- C) \$202.72
- D) \$208.28
- E) \$235.55

Answer: D

Explanation: Taxable income =  $\$21,381 - \$9,784 - \$1,208 - \$811 - \$248 = \$9,330$

Taxes =  $0.34(\$9,330) = \$3,172.20$

Dividends paid =  $\$9,330 - \$3,172.20 - \$325 = \$583.28$

CF(S) =  $\$583.28 + \$125 - \$500 = \$208.28$

Difficulty: 3 Hard

Section: 2.5 Cash Flow of the Firm

Topic: Cash flow to stockholders

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