



• **Journal Entries for Recovering write-offs:** If we recovered \$828 from previously written off accounts, its: [Dr AR Cr LA], THEN [Cr AR Dr Cash]. 2 steps, same with:

- **Journal Entries for Selling Goods** [Dr Cash Cr Revenue] then [Dr COGS Cr Inventory]
- $\Delta \text{Equity} = \Delta \text{Share Capital} + \text{Net Income} - \text{Dividends}$  (Inferred from SCE) =  $\Delta \text{Assets} - \Delta \text{Liability}$  Depending on the question, this must be shifted around.
- **Collect on account:** no longer AR. means collected in cash or equivalents.
- n-day note issued on day x of some month:  $n - \text{days left in month} - \text{days in next month} - \dots = \text{day of payment}$

### 13 Other Accounting Equations

#### 13.1 Return on Assets (ROA)

Returns on assets is in ratio form as income divided by assets invested. (income/assets invested)

$$\text{ROA} = \frac{\text{Net Profit}}{\text{Average total assets}}$$

Where Average total assets = (Start Assets + End Assets) / 2  
Note: Net profit = net income

#### 13.2 Debt Ratio

Evaluate **debt risk**. Ability to pay its liabilities using debt ratio (liabilities/assets), lower = less risk.

$$\text{Debt Ratio} = \frac{\text{Total Liabilities}}{\text{Total Assets}}$$

#### 13.3 Profit Margin

r/s between sales and net profit. Higher = more profit per \$ sale

$$\text{Profit Margin} = \frac{\text{Net Profit}}{\text{Net Sales}}$$

Note: Net Sales = Sales Revenue

A high profit margin is an indicator of future growth.

#### 13.4 Current Ratio

The current ratio of a company gives us a good indication of the company's ability to pay its debts when they fall due. The current ratio is calculated by dividing current assets by current liabilities.

$$\text{Current Ratio} = \frac{\text{Current Assets}}{\text{Current Liabilities}}$$

#### 13.5 Days' Sales Uncollected

how much time is likely to pass before we receive cash receipts from credit sales.

$$\text{Days' Sales Uncollected} = \frac{\text{Accounts Receivable}}{\text{Net Sales}} \times 365$$

#### 13.6 Accounts Receivable Turnover Ratio

Measures how often are receivables collected - how many times a year the company converts its average accounts receivables into cash.

$$\text{Receivable Turnover Ratio} = \frac{\text{Net Sales Revenue}}{\text{Average Net Receivables}}$$

high ratio = faster collection of receivables -> shorter operating cycle  
> more cash available for running business. Low RTR could indicate that company is allowing too much time for customers to pay. When calculating a ratio and have income statement item in the numerator and a balance sheet item in denominator, must calculate the avg balance sheet amount. The quickest way is to take (beginning + ending balance)/2.

If a company offers terms of net 30 on its sales, we should expect turnover of 12. This is because over the entire year, the average accounts receivable should be equivalent to roughly 30 days of sales. Hence, Total sales/Avg AR should be 12. >12 -> collect >12x its Avg AR per year -> they collect fast -> more cash for running business.

#### 13.7 Avg Collection Period/Days to Collect

Measures how many days on average it takes the company to collect its accounts receivables.

$$\text{Avg Collection Period} = \frac{365}{\text{Accounts Receivable Turnover}}$$

Should be as close to or lower than its offer terms. i.e. net 30 then try to be <=30

#### 13.8 Inventory Turnover

$$\text{Inventory Turnover} = \frac{\text{Cost of Goods Sold}}{\text{Average Inventory}}$$

How many times a company sells its entire inventory during a period. If inventory varies a lot, average amounts can be computed from interim periods.

Applied to analyze short-term liquidity and management of inventory. High ratio = more short-term liquidity. Low ratio suggest inefficient

use of assets, such as company holding more inventory than it needs. High ratio may suggest that inventory is too low. No simple rule other than high ratio is preferred PROVIDED inventory is adequate to meet demand.

**13.9 Days' Sales in Inventory**

$$\text{Days' Sales in Inventory} = \frac{\text{Ending Inventory}}{\text{Cost of Goods Sold}} \times 365$$

To better interpret inventory turnover, many users measure the adequacy of inventory to meet sales demand. Days' sales in inventory, also called days' stock on hand, is a ratio that reveals how much inventory is available in terms of the number of days' sales. It can be interpreted as the number of days one can sell from inventory if no new items are purchased. This ratio is useful in evaluating liquidity of inventory.

To interpret turnover, we can use this metric to measure how adequate the inventory is to meet sales demand. It reveals how much inventory is available in terms of the number of days' sales. Used to evaluate liquidity of inventory. Higher = more liquid inventory.

#### 13.10 Cash Flow on Total Assets

The Cash Flow on Total Assets ratio is used with profit-based ratios to help assess a company's performance. It is calculated as Net cash flow from operating activities divided by Average total assets.

$$\text{Cash Flow on Total Assets} = \frac{\text{Net Cash from Operating Activities}}{\text{Average Total Assets}}$$

This ratio reflects actual cash flows and is not affected by accounting profit recognition and measurement. It can help business decision makers estimate the amount and timing of cash flows when planning and analyzing operating activities.

### 14 Statements

- In order of steps:
- Income Statement

Saja & Co. Income Statement For the Year Ended December 31, 2025	
Sales Revenue	\$ 80,000
Cost of Sales	\$ (18,400)
Gross Profit	\$ 61,600
Less Expenses:	
Salaries Expense	\$ (20,000)
General Admin Expense	\$ (7,000)
Rent Expense	\$ (7,000)
Depreciation Expense	\$ (10,000)
Bad Debt Expense	\$ (2,100)
Operating Income	\$ 15,500
Income Tax Expense	\$ (1,300)
<b>Net Income</b>	<b>\$ 14,200</b>

- Statement of Changes in Equity

Saja & Co. Statement of Changes in Equity For the Year Ended December 31, 2025			
	Share Capital	Retained Earnings	Total Equity
Beginning Balance	\$ 120,000	\$ 31,000	\$ 151,000
Net Income		\$ 14,200	\$ 14,200
Dividends		\$ (4,500)	\$ (4,500)
Ending Balance	\$ 120,000	\$ 40,700	\$ 160,700

- Statement of Financial Position

Saja & Co. Statement of Financial Position At December 31, 2025	
<b>Assets</b>	
Current Assets	
Cash	\$ 130,000
Accounts Receivables (net)	\$ 42,900
Inventory	\$ 16,600
Prepays	\$ 7,000
Total Current Assets	\$ 196,500
Non-current Assets	
Property, Plant & Equipment (net)	\$ 70,000
Total Non-current Assets	\$ 70,000
<b>Total Assets</b>	<b>\$ 266,500</b>
<b>Liabilities</b>	
Current Liabilities	
Accounts payable	\$ 44,000
Income Tax Payable	\$ 2,800
Unearned Revenue	\$ 4,500
Dividends Payable	\$ 4,500
Total Current Liabilities	\$ 55,800
Non-current Liabilities	
Long-term Debt	\$ 50,000
Total Non-current Liabilities	\$ 50,000
<b>Total Liabilities</b>	<b>\$ 105,800</b>
<b>Stockholders' Equity</b>	
Share Capital	\$ 120,000
Retained Earnings	\$ 40,700
<b>Total Equity</b>	<b>160,700</b>
<b>Total Liabilities &amp; Shareholders' Equity</b>	<b>\$ 266,500</b>

- Statement of Cash Flows

Rizz Tea Company Statement of Cash Flows For the Year Ended Dec 31, 2025	
<b>Cash Flows from Operating Activities:</b>	
Profit before taxes	46,797
Adjustments to reconcile profit to net cash from operating activities:	
Depreciation Expense	8,891
Changes in non cash current assets & liabilities:	
Accounts Receivable	(4,549)
Inventories	(858)
Prepaid expenses	6,457
Accounts payable	(1,798)
Accrued expenses	(396)
Loss on disposal of asset	2,500
Interest income	(860)
Cash generated from operations	56,184
Income tax paid	(11,055) <sup>(1)</sup>
Interest income received	410 <sup>(2)</sup>
Net cash from operating activities	45,539
<b>Cash Flows from Investing Activities:</b>	
Cash received from disposal of asset	1,009 <sup>(3)</sup>
Cash paid for purchases of asset	(10,000) <sup>(3)</sup>
Net cash from investing activities	(8,991)
<b>Cash Flows from Financing Activities:</b>	
Cash received from share issuance	645 <sup>(4)</sup>
Cash paid for dividends	(7,550) <sup>(5)</sup>
Net cash from financing activities	(6,905)
<b>Net increase in cash</b>	<b>29,643</b>
<b>Beginning cash balance</b>	<b>54,497</b>
<b>Ending cash balance</b>	<b>84,140</b>