

Multichoice Business Acumen

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Course content

- Graphs & some important business calculations
- Understanding Income Statements
- Business simulation - Gadol



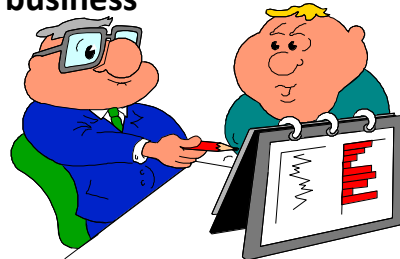
Graphs



- A graph is used to present information artistically and accurately.
- Graphs often show relationships much more forcefully, helping the reader recognize and remember the relationships.
- “A picture paints a thousand words” - a graph can convey the whole story at once.

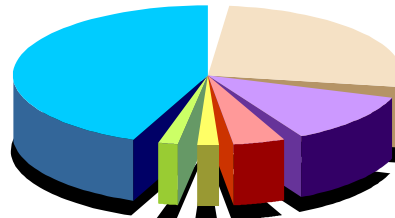
3 main graph types used in business

- Pie Chart (circle graph)
- Bar Graph
- Line Graph



- You often have a choice of the type of graph to construct. However, one type is usually preferable over the other, dependent on the information being used.

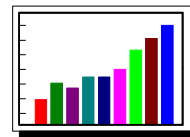
When to use a pie chart ?



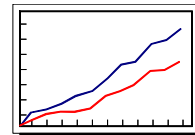
- Showing how a total amount is divided into separate parts
- All the parts will add to 100%

When to use a Line or a Bar chart?

- If values on the horizontal axis are **distinct**, then construct a **bar graph**.



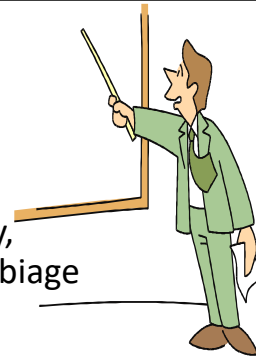
- If values on the horizontal axis are **continuous**, then construct a **line graph**.



- The line graph is particularly useful for showing a continuous trend over a period of time.

Rules for all charts

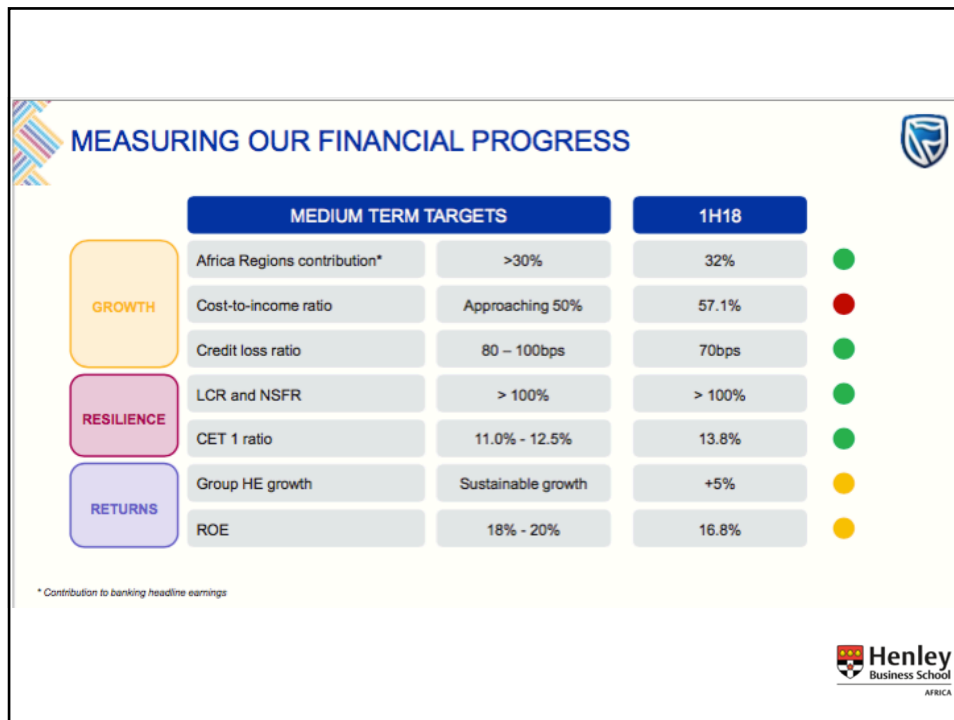
- Each chart must tell the complete story, independent from the surrounding verbiage
 - Title: Company name
Graph topic
Time period (if applicable)
 - X Axis title and increments
 - Y Axis title and labels
 - Data legends



What is a Ratio ?

One number divided by another is a ratio.

$$\text{Ratio} = \text{Top Number} / \text{Bottom Number}$$



Calculate Percentage Increase

- Step 1: Calculate increase or decrease
- Step 2: Establish where we started from
- Step 3: Divide step 1 result by step 2 result
- Step 4: Convert to a percentage

$$\% \text{ increase} = \frac{\text{increase amount}}{\text{base amount}} \times 100$$

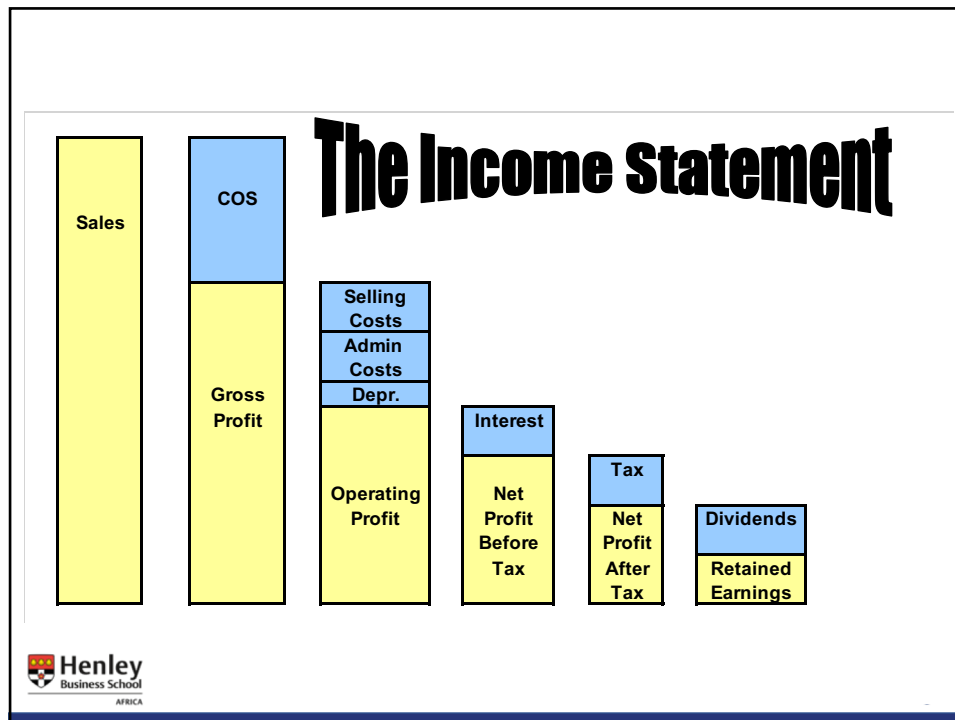
The Income Statement

The Income statement is intended to show the sales, costs and profit made over a period of time. Hence in its heading it contains the words “.. for the period “date” to “date”.

The Income statement is also known as the profit and loss statement.

The Income Statement

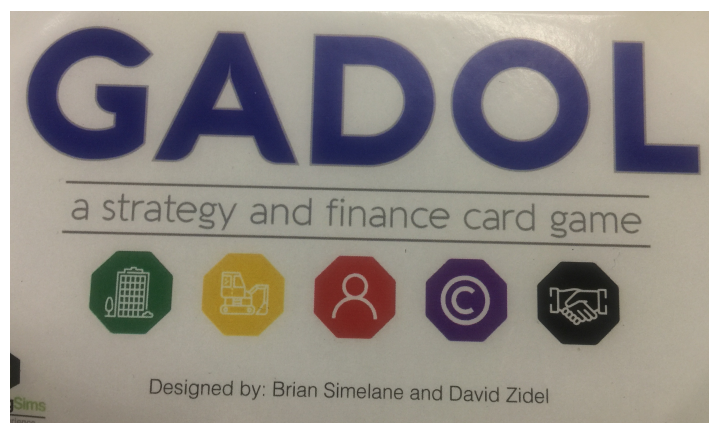
	R000	R000
Sales		1,986
Cost of sales		(950)
Gross profit		<u>1036</u>
Administration costs	(354)	
Distribution costs	(180)	
Interest payable	<u>(78)</u>	
		<u>(612)</u>
Net profit before tax		424
Taxation		(120)
Net profit after tax		<u>304</u>
Dividends paid		<u>90</u>



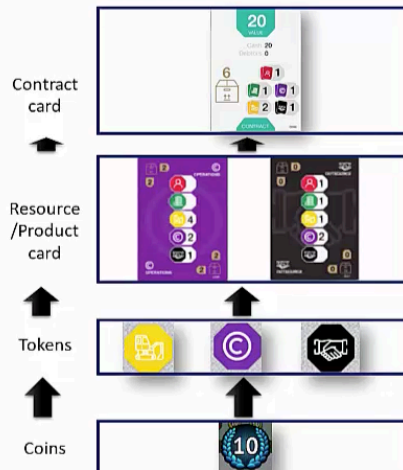
Total Sales Revenue		R	850 000
Opening Stock at January 1st			35 000
Merchandise Purchased			350 000
Closing Stock at December 31st			45 000
Shop Assistants' Salary			72 000
Rental of Shop Premises			60 000
Administration Expenses			30 000
Selling & General Expenses			7 800
Financing Charges			32 000
Normal Tax Rate			30%

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	This Year	Last Year
Gross Sales	1 856 000	1 692 000
goods Returned	6 000	12 000
Net Sales	1 850 000	1 680 000
COS	1 202 000	1 050 000
Gross Margin	648 000	630 000
Wages	152 000	148 000
Rent	82 000	78 000
Advertising	111 000	122 000
Utilities	32 000	17 000
Taxes	17 000	18 000
Misc. Exp.	62 000	58 000
Net Income	192 000	189 000



The basic concept



The aim is to use the coins to buy tokens.

Use the tokens to buy resource cards*, then use the resource cards to buy the contract card.

The first player to close a contract card wins.

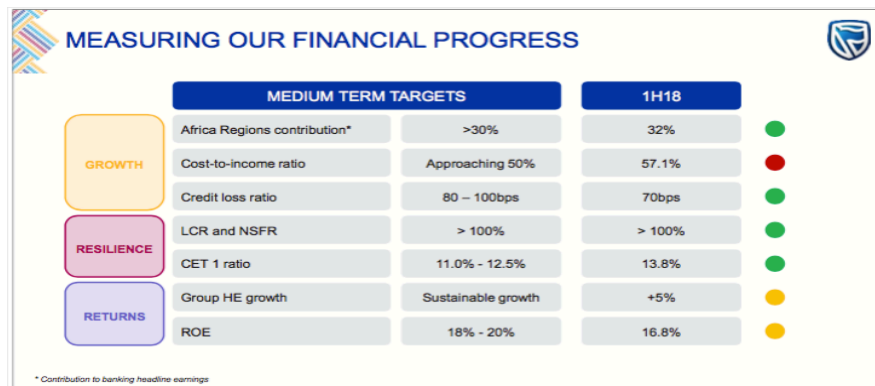
Optional for educational purposes:

An Income statement and Balance sheet is then developed from the contract card, for all teams not just the winning team.

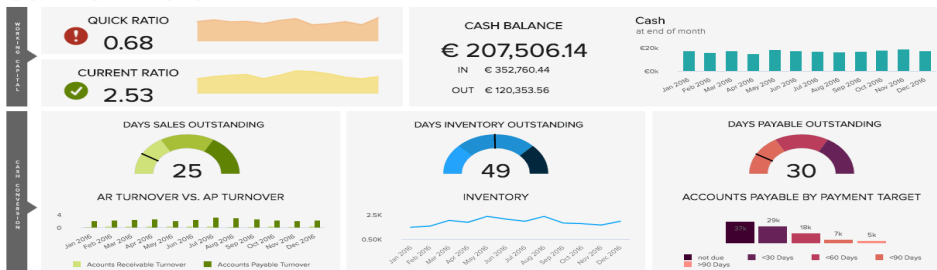
*A resource card is also known as a product card

Financial Dashboard





CASH MANAGEMENT DASHBOARD



S'pore coders create comprehensive, easy-to-read site for all local Covid-19 case info

