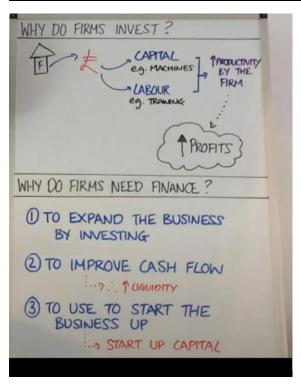
Investments and finance introduction



Firms will invest

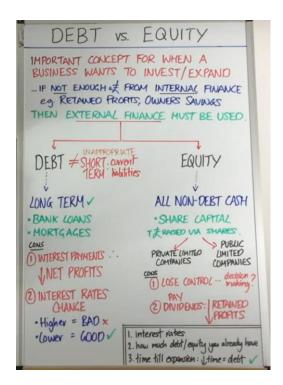
- Capital (machines)
- Get better labour skill force

These things will increase productivity of firm → increase profits

Why firms need finance

- Expand business by investing
- Improve cashflow → stop liquidity
- Use to start business up (start-up capital)

Debt vs Equity



Important when business wants to invest/expand if there isn't enough from internal finance \rightarrow external finance needed

Debt (long term)

- Bank loans
- Mortgages
- Disadvantages
 - Interest payments → lower net profits
 - Interest rates change

Equity (non-debt cash)

- Share capital
- Disadvantages
 - Lose control → less decision making
 - Pay dividends → lower retained profits

Which to use depends on

- Interest rates
- How much debt/equity you already have
- Time till expansion (less time → debt)

Direct and indirect costs



Direct costs = Cost can be traced directly to the production of a good/service

Common direct costs

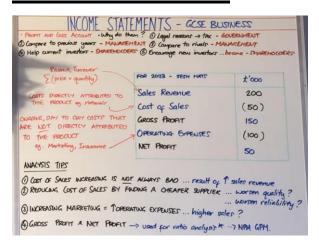
- Raw materials/components
- Salary/wages

Indirect costs = Cost cannot be traced directly to the production of a good/service

Common indirect costs

- Admin/office cots
- Marketing
- Insurance/security

Income statements



Why do income statements

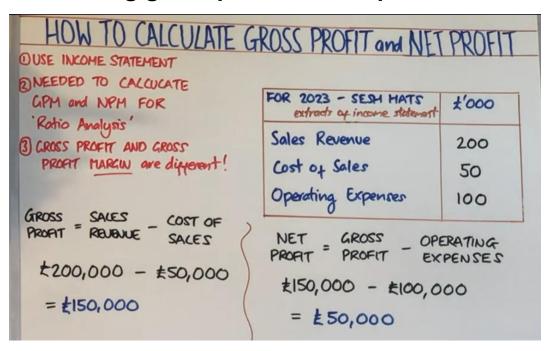
- Legal reasons (tax)
- Compare to previous years
- Compare to rivals
- Help current investors
- Encourage new investors

Analysis

- Cost of sales → May be result of sales revenue increasing
- Reducing cost of sales by finding cheaper supplier
 → Worsen quality/reliability?

- Increasing marketing → increase operating expenses → higher sales?
- Gross profit and net profit → used for ratio analysis

Calculating gross profit and net profit

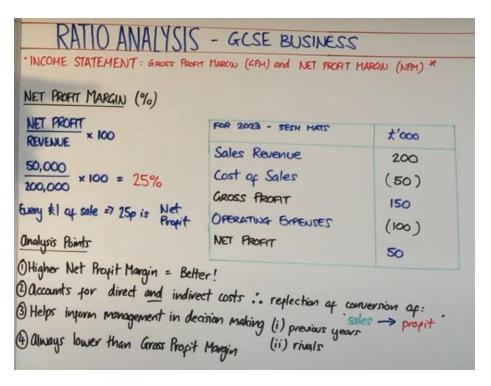


Ratio analysis

GROSS PROPIT MARGIN (%)		
GROSS PROFIT REVENUE × 100	FOR 2023 - SESH HATS	t'000
150,000 × 100 = 75% 200,000 × 100 = 75% Gross Group \$1 of sale => 75p is Gross Profit	Sales Revenue Cost of Sales GROSS PROPIT OPERATING EXPENSES NET PROPIT	200 (50) ISO (100) SO
) Higher Gross Profit Margin = Bet) Only accounts for direct costs ::) Helps inform management in de Ollways higher than Net Profit	measure of productive efficience cinion making (i) previous uses	nay rs (ii) rivals

Analysis

- Higher GPM = better
- Only accounts for direct costs → Measure of productive efficiency
- Helps inform management in decision making (previous years/rivals)



Analysis

- Higher NPM = better
- Accounts for direct and indirect costs
- Helps inform management in decision making (previous years/rivals)

Average Rate of return (ARR)

```
CHOC SESH IS CONSIDERING INVESTING IN A MOULDING MACHINE.

IT IS ESTIMATED TO:

• INCREASE TOTAL PROFIT BY

$5000 OVER ITS LIFETIME.

• LAST 4 YEARS

• COST $6250 TO BUY MACHINE

CALCULATE THE AVERAGE RATE

OF RETURN (ARR).

Step One:

AVERAGE ANNUAL PROFIT

COST OF INVESTMENT

VIANS

Step Two:

Coleside the

Guerage cornal

Profit

TOTAL PROFIT

COST OF INVESTMENT

** 100

Step Two:

$5000 ÷ 4 = £1250

Step Three:

Put marker to the control of the con
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Financial formulas

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FINANCIAL FORMULA AND RATIOS

PROFIT = REVENUE — COSTS

• R > C = PROFIT

• R \ C = LOSS

NET
PROFIT = (Sales \times price) — TOTAL
COSTS

NET = REVENUE — (FIXED + VARIABLE)
COSTS

COSTS THAT DO
NOT CHANGE
WITH OUTPUT.

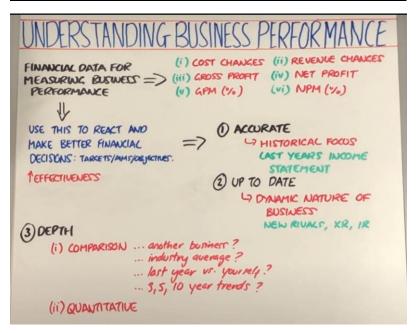
• G. RENT

NET
PROFIT = NET PROFIT
PROFIT

REVENUE

... curversian of sales -> profit
... every \times lale -> 20pence NET
PROFIT.
```

<u>Understand business performance</u>



Use financial data to react and make better financial decisions (targets/aims/objectives) -> increase effectiveness

- Accurate
 - Last years income statement
- Up to date
 - Dynamic nature of business (things change)
- Depth
 - Comparison (on its own my not be enough)
 - Quantitative

Types of profit

Gross profit

- Pricing decisions
- Production efficiency

- Control excess production costs

Operating profit

- Operating expenses
- Operating performance
- Can control excess operating costs

Net profit

- Overall profitability
- Shows you conversion of sales → profit

Retained profit