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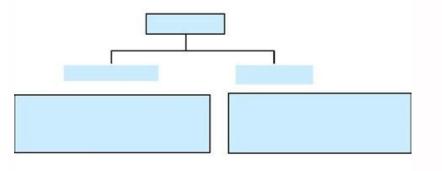


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Ratio	Calculation	Question it helps to answer
Net income margin	Net income + Total income	How much income is used up by expenses?
Return on assets	Net income + Total assets	How big is the income supporting the assets?
Return on net worth	Net income + Net worth	How big is income relative to net worth?
Debt to assets	Total debt + Total assets	How much asset value is financed by debt? Or how much asset value is there to satisfy debt?
Total debt	Total debt + Net worth	How large is debt relative to net worth?
lotorest coverage	Income before interest + Interest expense	How well does income cover interest expenses?
Cash flow to income	Net-cash flow.+ Net income	How much do payments for investments and financing take from income?
Cash flow to assets	Net cash flow + Total assets	How much cash flow supports assets?
Free cash flow	Free cash flow + Net cash flow	How much cash is left to invest after covering living expenses and debt repayments?

50 Courtroom Terms You Hear







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You are reading a free preview. This preview does not show pages 6 to 10. You are reading a free preview. Diese Vorschau zeigt nicht die Seiten 14 bis 23. Verfahren zur kosteneffizienten Optimierung von Praktiken Teil einer Reihe über Rechnungswesen Historische KostenKonstante KaufkraftManagementSteuern Major ArtenAuditBudgetKostenForensischFinanzenFundGovernmentalManagementSozialSteuern SchlüsselkonzepteRechnungszeitraumAccrualKonstante KaufkraftWirtschaftliche EinheitFair ValueGoing ConcernHistorische AnschaffungskostenMatching-PrinzipWesentlichkeitEinnahmenrealisierungRechnungszeinheit Ausgewählte KontenVermögenBarKosten der verkauften WarenAbschreibung / Amortisation (Geschäft)EigenkapitalAusgabenGeschäfts- oder FirmenwertVerbindlichkeitenGewinnAllgemein akzeptiert- Revenue Accounting Principles Accounting Princi Discussion Notes to Financial Statements Accounting Bank Reconciliation Debit and Credit Bookkeeping System of Double Entry Accounting Accounting Accounting Accounting Accounting Accounting Particular System of Double Entry Accounting Particular AccountingSarbanes-Oxley ActFalseCreativeEarnings ManagementError Accounting is defined as "a systematic set of techniques for collecting and reporting, in aggregate and detailed form, the costs measurements of the production of goods and services. It includes methods to identify, classify, allocate, summarize and report such costs and compare them to the standard costs. " (IMA)[1] Often considered as a subsetThe primary purpose of accounting is to advise management on how to optimize business practices and processes based on cost effectiveness and efficiency. Cost accounting fulfills the need for detailed management of cost information is also commonly used in financial accounting, but its main function is to assist managers in making decisions. The Origins of Cost Accounting Businesses of all types, whether manufacturing, marketing or providing services, need cost accounting has long been used to help managers understand the costs of running a business. Modern cost accounting the Industrial Revolution, when the complexity of managing large businesses led to the development of systems for recording and tracking costs to assist business owners and managers in making decisions. The various methods used by cost accountants include standard costing, and variance analysis, marginal cost volume profit analysis, budgetary control, unit costing, company comparison, etc. Costing is mainly due to the limitations of financial accounting. In addition, expenditure accounting has become mandatory in certain sectors as notified by the Government from time to time. [3] In the early industrial era, most of a company's costs were what today's accountants call "variable costs" because they varied directly with the volume produced. Money was spent on labor, raw materials, factory management, etc., in proportion to product and use them as a rough guide for decision making. Some costs tend to remain constant even during busy periods, unlike variable costs that rise and fall with the volume of work. Over time, these "fixed costs" become increasingly important to managers. Examplescosts include depreciation of machinery and equipment, as well as costs for departments such as maintenance, tooling, production control, purchasing, quality control, storage and processing, plant supervision and engineering. In the early 19th century, these costs did not matter much to most companies. However, with the development of railroads, steel, and mass product, and their allocation across different products led to bad decisions. Managers must understand fixed costs in order to make product and pricing decisions. For example, a company produced wagons and had only one product. For the product. For the product. For the product of each bus, the company had to purchase raw materials and components for \$40 each. Thus, the total variable cost per trainer was \$300. Knowing that it cost \$300 to make one car, the managers knew they couldn't sell it for less than that without losing money on each car. Any price above \$300 became a contribution to the company's fixed costs. If the fixed costs were, for example, \$1,000 per month for rent, insurance, and the owner's salary, the company could sell 5 buses per month for rent, insurance, and the owner's salary. a total of \$4,500 (\$450 each).).). and earn \$500 in both cases. Cost Accounting and Financial Accounting Cost Accounting Financial Accounting Cost Accountin reporting period to financial statement, income the functions, activities, products, processes and information needs of the organization in its planning and management. Classification of costs that make up the standard result. It aims to present a "credible and reliable" picture of the transaction. Information may be presented at the discretion of accountants. They must comply with accounting standards such as IFRS and GAAP. Costing methods The following are some of the different approaches to costing Project costing Resource costing Standard costing Target costing Life cycle costing Elements of costing Basic the elements of cost accounting are: other overheads Materials (Inventories) Materials. For example, paper in books, wood in furniture, plastic in a water tank, and leather in shoes are direct materials. Other, usually less expensive, items or auxiliary materials used to make the finished product are called intermediate materials. For example, the length of the thread used in clothing. In addition, they can be divided into three different types of inventory that need to be accounted for differently; raw materials, work in progress and finished products.[5] Labor Any wage paid to an employee or group of employees who may be directly involved in the transformation of raw materials into finished products is called direct labor. Wages paid to trainees or apprentices do not fall under the category of direct work because they are of little value. Overhead costs, including office staff General selling costs, including factory personnel. General administrative costs, including office staff General selling costs, including office staff General selling costs, including factory personnel. sales staff, cash costs Water, sewer and utility charges Other variable costs Earnings, including wages, pensions and deductions from wages (eg NI and PAYEE in the UK, FICA in the US) Rent (rent, mortgages, property taxes) Depreciation (durable goods including machinery and office equipment) Other fixed costs These categories are flexible, sometimes overlapping because they are used different principles of costs accounting. Classification of Costs Important classifications of costs include: By type or traceability: direct costs (which cannot be directly assigned) are assigned or proportional to cost objects. By function: production, administration, sales and distribution or research and development. By behavior: constants, variables or semi-variables. Fixed costs are distribution or research and development. By behavior: constants, variables or semi-variables. partially fixed and partially variable. Through controllability: Controllability: Controllable costs are those that can be controlled or influenced by deliberate management actions. By standard: normal costs and abnormal costs. Current costs are incurred in day-to-day business activities. Unusual costs result from any unusual activities or events that are not part of the normal course of business, such as accidents or natural disasters. By time: historical costs are incurred costs? Historical costs are incurred costs? Decision Costing: These costs are used for management decision-making: Marginal cost: This cost represents the difference between the total cost of choosing one alternative over another. Opportunity cost: The value of a benefit that is sacrificed in favor of an alternative course of action. Relevant costs: Relevant costs are the costs are the costs are the costs are the twould not be incurred if operations continued. Capacity Costs: Costs incurred by a business to provide manufacturing, administrative, and sales and distribution capacity to perform various functions. These costs are usually fixed costs: Costs are usually fixed costs. Sunk costs: costs are usually fixed costs. cleanup to meet Wikipedia's quality standards. A particular problem is: quality. Please help improve this section if you can. (July 2018) (Learn how and when to remove this report template) Main article: Standard costing is a costing method for comparing actual costs to standard costs (which are predetermined) using variance analysis. It is used to understand differences in the costs of products in production.[6] In standard costing, fixed costs incurred during an accounting period are applied to goods produced to be charged to the balance sheet and carried over to the next accounting period using a variety of complex accounting methods.that conformed to GAAP (Generally Accepted Accounting Principles). It also allowed managers to ignore fixed costs and compare each period's performance to the "standard cost" for each product. For example, if a railroad company produces 40 cars per month and fixed costs are still \$1,000 per month, then you could say that each car has an operating/overhead cost of \$25 = (\$1,000/40). Add this to the variable cost of \$325. This method tended to skew the final unit cost slightly, but in single-line, mass-produced industries where fixed costs were relatively low, the distortion was very small. Example: If a railroad company produces 100 cars per month, the unit cost is \$310 per car (\$300 + (\$1000/100)). If the company produces 50 cars over the next month, then the unit cost = \$320 per car is (\$300 + (\$1,000/50)), a relatively small difference. An important part of standard cost accounting is variance analysis, which breaks down the difference between actual cost and standard cost into different from what they had planned, deviate and take appropriate measures to rectify the situation. The Evolution of Bandwidth Accounting Main article: Bandwidth Accounting As companies became more complex and began to manufacture a greater variety of products, the use of cost accounting for decisions to maximize profitability became questionable. In the 1980s, constraint theory became increasingly aware in management circles and began to recognize that "every production process has a limiting factor somewhere in the production chain". As business leaders learned to recognize constraints, they increasingly turned to bandwidth billing to manage them and "maximize efficiency.""Dollar" (or other currency) throughput of each unit of a scarce resource. Bandwidth billing to manage them and "maximize efficiency.""Dollar" (or other currency) throughput of each unit of a scarce resource. resources (bottlenecks) in a IIT (just in time) environment. Context refers to the amount of money made from sales minus the cost of the materials used to make them. Throughput calculation ratio) = {\frac {\text{Return}}} {\text{Coperating hours}}))) Throughput = Revenue â Material costs {\displaystyle { \text{sales}} - {\text{sales}} - {\text{sa the customer about billing issues" is an example of activities that can mostly motivate Aniesa to do the ABC, to improve cost accounting Accuracy, d. H. a better understanding of the true costs and profitability of individual products, services or initiatives. ABC approximates the real costs in these areas, essentially converting many of the costs found in standard costing into direct costs. Contrary to standard costing, so-called indirect costs and overheads are simply defined as a percentage of certain direct costs, which may or may not reflect actual resource consumption for individual items. According to ABC, accountants allocate 100% of each employee's time to various activities within the company (many use surveys to get employees to allocate their time to various activities). The accountant can then determine the total cost incurred for each employee's salary that is spent on that activity. The organization can use the activity-based cost data it receives to determine what to focus onimprovements. For example, a make-to-order manufacturer may find that a large percentage of their employees spend time trying to understand a hastily written sales order. With (ABC) activity-based costing, accountants now have a currency amount associated with the activity Research customer work order specifications. Senior management can now decide how much attention or budget is needed to address this process gap. Activity-based costing (ABC) can accurately determine the cost of each activity and resource to the final product, the process can be time-consuming. expensive, and error-prone. Because it is a tool to more accurately allocate fixed costs to a product, these fixed costs do not change with each month's product costs, associated with it. Activity-based costing (ABC) better identifies long-term product costs, but may not be very useful for day-to-day decision-making. EVA integration and activity-based costing Recent, Mocciaro Li Destri, Picone & Minà (2012).[9] developed a performance and cost measurement framework that integrates economic value creation criteria with activity-based costing (PBC). The EVA-PBC methodology makes it possible to implement EVA management logic not only at the corporate level, but also at lower levels of the organization. The EVA-PBC methodology plays an interesting role in bringing strategy back to financial KPIs. Lean Accounting Main article: Simple accounting [10] has evolved in recent years to provide accounting, control and measurement techniques that support lean manufacturing and other lean applications such as healthcare, construction, insurance, banking, education, government and support from other sectors. . There are two main movementsBookkeeping. The first is the use of lean methods in the accounting, control and evaluation processes of the company. This control and evaluation processes of the company. is no different from using lean methods in other processes. The goal is to eliminate waste, free up production capacity, speed up the process clear and understandable. The second (and more important) goal of Lean Accounting is to fundamentally change accounting, control and measurement processes so that they motivate Lean Change & Improvement, provide information relevant to management and decision-making, understand customer value, can correctly assess the financial impact of Lean improvement and are themselves simple, visual and waste-free. such as standard costing, activity-based costing, complex transaction control systems, and late and misleading financial reporting. They have been replaced by: Lean performance measurement Simple summaries Direct value stream calculations Box score based decision making and reporting Financial reporting in a timely and understandable language that everyone understands. radical simplification and elimination of transaction control systems by eliminating their necessity. Leading Lean change with a deep understanding of the value you create for your customers. Getting rid of traditional budgeting through monthly sales, operations and financial planning (SOFP) processes Value-based pricing Properly understanding the financial implications of lean changes As an organization matures into lean thinking and methods, it realizes that combined lean accounting methods are effective to create a Lean Management System (LMS) designed to provide the planning, operational and financial reporting and change management needed to manage an organization's ongoing Lean transformation. MarginalSee also: cost-volume benefit analysis is a systematic study of the relationship between selling prices, sales, production volume, costs, expenses, and profits. This analysis provides very useful information for business management decisions. For example, the analysis can be used to determine selling prices, select the range of products to sell, decide on the choice of marketing strategy, and analyze the impact of cost changes on profit. In today's business environment, busines the importance of the cost-to-volume ratio and the profit ratio continues to grow over time. INVESTMENT MARGIN The ratio of value, volume and profit is the excess of sales revenue over variable costs. The concept of marginal profit is the excess of sales revenue and profit is the e idea of the potential profit a business can make. The following chart shows Company X's income statement that was created to show Contribution Margins: Revenue \$1,000,000 (-) Fixed Costs \$300,000 Operating income of \$100,000 is also included expressed as a percentage. The marginal ratio, sometimes referred to as the profit-to-volume ratio, indicates what percentage of each dollar of sales is available to cover fixed costs and generate operating income. Fusion, Inc. The Contribution Margin Ratio = (Revenue - Variable Costs) / Revenue - Variable Costs})/{\text{Revenue}}} The Contribution Margin Ratio measures the impact on operating income increase on sales orders. Multiplying the contribution margin ratio (40%) by the change in sales (\$80,000) will result in an increase in operating income of \$32,000 as additional orders are received. To verify this analysis, the following table shows the company's income statement, including additional orders: Revenue \$1,080,000 (-) Variable costs \$648,000 (1,080,000 x 60%) Contribution margin \$432,000 (state a percentage of sales equals 100% minus the investment margin factor. So on the above income statement, variable costs are 60% (100% - 40%) of sales, or \$648,000 (1,080,000 x 60%). The total contribution margin ratio (\$1,080,000 x 40%). See also Accounting Cost Overruns Asset Turnover Management Accounting Cost Transparency IT Kaizen Calculation Profit Model References ^ "Cost Accounting vs. Management Accounting vs. Management Accounting vs. Management Accounting Verse". accounting Verse". accounting vs. Management Accounting vs. Management Accounting Verse". accounting vs. Management Accounti 03.01.2013. ^ Cost Accounting: Theory and Practice, Textbook by Bhabatosh Banerjee ^ Performance Management, Book f5. Kaplan Publishing UK. page 3 ^ c=AU;o=Australian Government;ou=Department of Industry, Innovation and Science (2018-07-23). "Inventory Types". www.business.gov.au. Retrieved on 16.07.2019. { { Cit website } }: CS1 maint: multiple titles: list of authors (link) ^ Management Accounting and Control. India: Icfai Business School. pp. 15-16 ^ Operations Management, Paper f5. Kaplan Publishing UK. p. 6 ^ Mocciaro Li Destri A., Picone P.M. & Minà A. (2012), Bringing Strategy Back toPerformance Measurement Systems: EVA and PBC Integration, Business Systems Overview, Volume 1, Issue 1, pp. 85-102. Maskell & Baggaley (19 December 2003). "Practical Lean Accounting". Productivity Press, New York, NY. 1. Cost accounting, III. Edition - Md. Omar Farouk, Sohel Ahmed, Sharif Hossain. Further Reading Maher, Lanen, and Rahan, Fundamentals of Cost Accounting, 1st Edition (McGraw-Hill 2003). Kaplan, Robert S. and Bruns, W. Accounting and Management: A Field Study Perspective (Harvard Business School Press, 1987) ISBN 0-87584-186-4 Nicholson, Jerome Lee and John Francis Deems Rohrbach. cost calculation. New York: Ronald Press, 1919. Blocher, Stout, Juras and Cokins, Cost Management - A Strategic Emphasis, 7th edition (McGraw-Hill 2016). Wikimedia Commons has media related to Cost accounting. Accounting. Accounting. Accounting. Accounting. Accounting. Accounting. Retrieved from " "

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