



Business Math – Part 2

Michigan State Mathematics Content Expectations

Course Description

This course will introduce students to mathematical applications in typical business situations, providing an understanding of how a business functions.

Text Book

Mathematics with Business Applications. Glencoe/McGraw Hill, 5th edition.

Unit 1 Description

This unit will introduce the concepts of personnel, production and purchasing.

Essential Content and Skills

The learner will:

- Compute costs associated with employees.
 - Calculate production times and costs.
 - Determine purchasing discounts.
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Unit 1 Michigan State Content Expectations

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Course Name - Part

Michigan State Curriculum Content Standards (continued)

Unit 1 Lesson 1: Hiring New Employees & Administering Wages and Salaries

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15 A.1.1.1	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 1 Lesson 2: Employee Benefits & Disability Insurance

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15 A.1.1.1	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 1 Lesson 3: Workers Compensation and Unemployment & Travel Expenses

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15 A.1.1.1	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 1 Lesson 4: Manufacturing & Break-Even Analysis

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15 A.1.1.1	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Course Name - Part

Michigan State Curriculum Content Standards (continued)

Unit 1 Lesson 5: Quality Control

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 1 Lesson 6: Time Study

State Standard	Description
D.AN.05.03	Given a set of data, find and interpret the mean (using the concept of fair share) and mode.
N.FL.06.12 N.MR.06.13 N.FL.06.15	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 1 Lesson 7: Packaging

State Standard	Description
N.FL.05.20	Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 1 Lesson 8: Trade Discount

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Course Name - Part

Michigan State Curriculum Content Standards (continued)

Unit 1 Lesson 9: Trade-Discount Rates & Chain Discounts

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 1 Lesson 10: Cash Discounts

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Course Name - Part

Michigan State Curriculum Content Standards (continued)

Unit 2 Description

This unit will focus on the factors involved with sales and marketing.

Essential Content and Skills

The learner will:

- Examine selling price, costs and net profit.
- Evaluate markups and markdowns.
- Determine the use of surveys.
- Understand the importance of sales potential and market share.
- Analyze pricing and advertising costs.
- Make sales projections.

Unit 2 Michigan State Content Expectations

Unit 2 Lesson 1: Markup

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 2 Lesson 2: Net Profit

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 2 Lesson 3: Markup Based on Selling Price

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Course Name - Part

Michigan State Curriculum Content Standards (continued)

Unit 2 Lesson 4: Markup Based on Cost

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15 A.1.1.1	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 2 Lesson 5: Markdown

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15 A.1.1.1	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 2 Lesson 6: Opinion Surveys

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers.

Unit 2 Lesson 7: Sales Potential & Market Share

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15 A.1.1.1	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 2 Lesson 8: Sales Projections

State Standard	Description
N.FL.06.12 N.MR.06.13 N.FL.06.15 A.1.1.1	Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Course Name - Part

Michigan State Curriculum Content Standards (continued)

Unit 2 Lesson 9: Advertising Costs

State Standard	Description
D.RE.04.03 N.FL.06.12 N.MR.06.13 N.FL.06.15 A.1.1.1	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets. Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 2 Lesson 10: Pricing

State Standard	Description
D.RE.04.03 N.FL.06.12 N.MR.06.13 N.FL.06.15 A.1.1.1	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets. Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Course Name - Part

Michigan State Curriculum Content Standards (continued)

Unit 3 Description

This unit will discuss the responsibilities of a warehousing and distribution department, as well as the services and accounting methods that business use.

Essential Content and Skills

The learner will:

- Calculate costs for storage, inventory and shipping.
- Compute costs for rentals, maintenance, utilities and professional services.
- Account for payroll costs, business expenses and depreciation.

Unit 3 Michigan State Content Expectations

Unit 3 Lesson 1: Storage Space & Taking Inventory

State Standard	Description
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets. Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Compute the volume and surface area of cubes and rectangular prisms given the lengths of their sides, using formulas. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.
N.FL.06.12	
N.MR.06.13	
N.FL.06.15	
G.SR.08.06	
A.1.1.1	

Unit 3 Lesson 2: Inventory

State Standard	Description
D.AN.05.03	Given a set of data, find and interpret the mean (using the concept of fair share) and mode. Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.
N.FL.06.12	
N.MR.06.13	
N.FL.06.15	
A.1.1.1	

Course Name - Part

Michigan State Curriculum Content Standards (continued)

Unit 3 Lesson 3: Transportation

State Standard	Description
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets. Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Compute the volume and surface area of cubes and rectangular prisms given the lengths of their sides, using formulas. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.
N.FL.06.12	
N.MR.06.13	
N.FL.06.15	
G.SR.08.06	
A.1.1.1	

Unit 3 Lesson 4: Building Rental & Maintenance and Improvement

State Standard	Description
M.TE.04.06	Know and understand the formulas for perimeter and area of a square and a rectangle; calculate the perimeters and areas of these shapes and combinations of these shapes using the formulas. Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets. Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Compute the volume and surface area of cubes and rectangular prisms given the lengths of their sides, using formulas. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.
D.RE.04.03	
N.FL.06.12	
N.MR.06.13	
N.FL.06.15	
G.SR.08.06	
A.1.1.1	

Unit 3 Lesson 5: Equipment Rental

State Standard	Description
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets. Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Compute the volume and surface area of cubes and rectangular prisms given the lengths of their sides, using formulas. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.
N.FL.06.12	
N.MR.06.13	
N.FL.06.15	
G.SR.08.06	
A.1.1.1	

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Michigan State Curriculum Content Standards (continued)

Unit 3 Lesson 6: Utilities

State Standard	Description
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets. Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Compute the volume and surface area of cubes and rectangular prisms given the lengths of their sides, using formulas. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.
N.FL.06.12	
N.MR.06.13	
N.FL.06.15	
G.SR.08.06	
A.1.1.1	

Unit 3 Lesson 7: Conservation & Professional Services

State Standard	Description
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets. Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Compute the volume and surface area of cubes and rectangular prisms given the lengths of their sides, using formulas. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.
N.FL.06.12	
N.MR.06.13	
N.FL.06.15	
G.SR.08.06	
A.1.1.1	

Unit 3 Lesson 8: Payroll Register & Business Expense

State Standard	Description
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets. Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Compute the volume and surface area of cubes and rectangular prisms given the lengths of their sides, using formulas. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.
N.FL.06.12	
N.MR.06.13	
N.FL.06.15	
G.SR.08.06	
A.1.1.1	

Course Name - Part

Michigan State Curriculum Content Standards (continued)

Unit 3 Lesson 9: Apportioning Expenses & Appreciation

State Standard	Description
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets.
N.FL.06.12	Calculate part of a number given the percentage and the number.
N.MR.06.13	Solve contextual problems involving percentages such as sales taxes and tips.
N.FL.06.15	Solve applied problems that use the four operations with appropriate decimal numbers.
G.SR.08.06	Compute the volume and surface area of cubes and rectangular prisms given the lengths of their sides, using formulas.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 3 Lesson 10: Depreciation & MACRS

State Standard	Description
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets.
N.FL.06.12	Calculate part of a number given the percentage and the number.
N.MR.06.13	Solve contextual problems involving percentages such as sales taxes and tips.
N.FL.06.15	Solve applied problems that use the four operations with appropriate decimal numbers.
G.SR.08.06	Compute the volume and surface area of cubes and rectangular prisms given the lengths of their sides, using formulas.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Course Name - Part

Michigan State Curriculum Content Standards (continued)

Unit 4 Description

This unit will focus on management of accounting and financial records, as well as corporate budgeting.

Essential Content and Skills

The learner will:

- Complete balance sheets and income statements.
 - Calculate corporate taxes, investments and loans.
 - Determine corporate budgeting using economic trend indicators.
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Unit 4 Michigan State Content Expectations

Unit 4 Lesson 1: Assets, Liabilities and Equity & Balance Sheets

State Standard	Description
K.1.10 D.RE.04.03 N.FL.06.12 N.MR.06.13 N.FL.06.15 A.1.1.1	Understand significant concepts, generalizations, principles, and theories of economics. Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets. Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 4 Lesson 2: Cost of Goods Sold & Income Statements

State Standard	Description
K.1.10 D.RE.04.03 N.FL.06.12 N.MR.06.13 N.FL.06.15 A.1.1.1	Understand significant concepts, generalizations, principles, and theories of economics. Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets. Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 4 Lesson 3: Vertical and Horizontal Analysis

State Standard	Description
K.1.10 D.RE.04.03	Understand significant concepts, generalizations, principles, and theories of economics.

Course Name - Part

Michigan State Curriculum Content Standards (continued)

N.FL.06.12 N.MR.06.13 N.FL.06.15 A.1.1.1	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets. Calculate part of a number given the percentage and the number. Solve contextual problems involving percentages such as sales taxes and tips. Solve applied problems that use the four operations with appropriate decimal numbers. Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.
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Unit 4 Lesson 4: Corporate Income Taxes

State Standard	Description
K.1.10	Understand significant concepts, generalizations, principles, and theories of economics.
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets.
N.FL.06.12	Calculate part of a number given the percentage and the number.
N.MR.06.13	Solve contextual problems involving percentages such as sales taxes and tips.
N.FL.06.15	Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 4 Lesson 5: Issuing Stocks and Bonds

State Standard	Description
K.1.10	Understand significant concepts, generalizations, principles, and theories of economics.
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets.
N.FL.06.12	Calculate part of a number given the percentage and the number.
N.MR.06.13	Solve contextual problems involving percentages such as sales taxes and tips.
N.FL.06.15	Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 4 Lesson 6: Borrowing & Treasury Bills

State Standard	Description
K.1.10	Understand significant concepts, generalizations, principles, and theories of economics.
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets.
N.FL.06.12	Calculate part of a number given the percentage and the number.
N.MR.06.13	Solve contextual problems involving percentages such as sales taxes and tips.
N.FL.06.15	Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Course Name - Part

Michigan State Curriculum Content Standards (continued)

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Unit 4 Lesson 7: Commercial Paper & Growth Expenses

State Standard	Description
K.1.10	Understand significant concepts, generalizations, principles, and theories of economics.
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets.
N.FL.06.12	Calculate part of a number given the percentage and the number.
N.MR.06.13	Solve contextual problems involving percentages such as sales taxes and tips.
N.FL.06.15	Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 4 Lesson 8: Inflation

State Standard	Description
K.1.10	Understand significant concepts, generalizations, principles, and theories of economics.
E.2.1.4	Explain the relationships between money supply, inflation, and recessions.
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets.
N.FL.06.12	Calculate part of a number given the percentage and the number.
N.MR.06.13	Solve contextual problems involving percentages such as sales taxes and tips.
N.FL.06.15	Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Unit 4 Lesson 9: Gross Domestic Product & Consumer Price Index

State Standard	Description
K.1.10	Understand significant concepts, generalizations, principles, and theories of economics.
E.2.1.5	Use GDP data to measure the rate of economic growth in the United States and identify factors that have contributed to this economic growth
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets.
N.FL.06.12	Calculate part of a number given the percentage and the number.
N.MR.06.13	Solve contextual problems involving percentages such as sales taxes and tips.
N.FL.06.15	Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write

Course Name - Part

Michigan State Curriculum Content Standards (continued)

	an algebraic expression from a verbal description, and evaluate expressions given values of the variables.
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Unit 4 Lesson 10: Budget

State Standard	Description
K.1.10	Understand significant concepts, generalizations, principles, and theories of economics.
D.RE.04.03	Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets.
N.FL.06.12	Calculate part of a number given the percentage and the number.
N.MR.06.13	Solve contextual problems involving percentages such as sales taxes and tips.
N.FL.06.15	Solve applied problems that use the four operations with appropriate decimal numbers.
A.1.1.1	Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.