

Adventures in Math

Skills Supporting Learning Standards

Grades K-2

Lesson 1: Money Basics

- Develop an understanding of personal financial literacy, including identifying income, wants and needs, saving and spending, and charitable giving
- Participate in group discussions
- Communicate math ideas and reasoning
- Identify and count various types of money
- Solve addition and subtraction problems involving numbers up to 100
- Apply mathematics to solving problems arising in everyday life
- Solve one- and two-step word problems
- Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately

Lesson 2: Money Planning

- Develop an understanding of personal financial literacy, including income, interest, wants and needs, saving and spending, and charitable giving
- Participate in group discussions
- Communicate math ideas and reasoning
- Solve addition and subtraction problems involving numbers up to 100
- Apply mathematics to solving problems arising in everyday life
- Solve one- and two-step word problems
- Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately
- Solve word problems using objects
- Classify, count, and sort objects into categories
- Organize, represent, and interpret data
- Draw graphs to represent data
- Solve simple problems using bar graph information

Lesson 3: Money in Our Community

- Develop an understanding of personal financial literacy, including income, interest, wants and needs, saving and spending, and charitable giving
- Participate in group discussions
- Communicate mathematical ideas and reasoning
- Solve addition and subtraction problems involving numbers up to 100
- Apply mathematics to solving problems arising in everyday life
- Solve one- and two-step word problems
- Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately
- Solve word problems using objects
- Classify, count, and sort objects into categories
- Organize, represent, and interpret data

Adventures in Math

Skills Supporting Learning Standards

Grades 3-5

Lesson 1: Money Matters

- Develop an understanding of personal financial literacy, including income and wages, savings options, spending, and charitable giving
- Participate in group discussions
- Reason abstractly and quantitatively
- Communicate mathematical ideas, reasoning, and relationships
- Apply mathematics to solve problems arising in everyday life
- Solve problems using the four operations with whole numbers and fractions
- Use place value understanding and properties of operations to perform multi-digit arithmetic.
- Solve multi-step word problems
- Analyze information, formulate a plan or strategy, determine a solution, justify the solution, and evaluate the problem-solving process and the solution
- Represent and interpret data

Lesson 2: Plans and Goals

- Develop an understanding of personal financial literacy, including budgeting, spending, saving, charitable giving, and profits
- Participate in group discussions
- Reason abstractly and quantitatively
- Communicate mathematical ideas, reasoning, and relationships
- Apply mathematics to solve problems arising in everyday life
- Solve problems using the four operations with whole numbers and fractions
- Use place value understanding and properties of operations to perform multi-digit arithmetic.
- Solve multi-step word problems
- Analyze information, formulate a plan or strategy, determine a solution, justify the solution, and evaluate the problem-solving process and the solution
- Represent and interpret data

Lesson 3: Smart Saving

- Develop an understanding of personal financial literacy, including spending, saving, investments, interest, loans, types of accounts, and account balancing
- Participate in group discussions
- Reason abstractly and quantitatively
- Communicate mathematical ideas, reasoning, and relationships
- Use place value understanding and properties of operations to perform multi-digit arithmetic.
- Apply mathematics to solve problems arising in everyday life
- Solve problems using the four operations with whole numbers, fractions, and decimals to hundredths.
- Solve multi-step word problems
- Analyze information, formulate a plan or strategy, determine a solution, justify the solution, and evaluate the problem-solving process and the solution
- Represent and interpret data

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Lesson 4: Spending, Saving, and Giving: How to Use Your Money

- Develop an understanding of personal financial literacy, including budgeting, spending, saving, and charitable giving
- Participate in group discussions
- Reason abstractly and quantitatively
- Communicate mathematical ideas, reasoning, and relationships
- Use place value understanding and properties of operations to perform multi-digit arithmetic
- Apply mathematics to solve problems arising in everyday life
- Solve problems using the four operations with whole numbers and decimals to hundredths.
- Solve multi-step word problems
- Analyze information, formulate a plan or strategy, determine a solution, justify the solution, and evaluate the problem-solving process and the solution

Lesson 5: Make a Difference

- Develop an understanding of personal financial literacy, including saving and charitable giving
- Participate in group discussions
- Reason abstractly and quantitatively
- Communicate mathematical ideas, reasoning, and relationships
- Apply mathematics to solve problems arising in everyday life
- Analyze information, formulate a plan or strategy, determine a solution, justify the solution, and evaluate the problem-solving process and the solution

Grades 6–8

Lesson 1: Saving Money for Your Future

- Develop an understanding of personal financial literacy, including budgeting, spending, saving, and charitable giving
- Develop an economic way of thinking and problem solving as a consumer and investor
- Solve problems using the four operations with whole numbers and decimals to hundredths.
- Use positive and negative numbers to represent quantities in real-world contexts
- Use proportional relationships to solve multi-step ratio and percent problems
- Solve problems involving ratios, rates, and percentages, including multi-step problems involving percent increase and percent decrease, and financial literacy problems
- Calculate and compare simple interest and compound interest earnings

Lesson 2: Finding the Better Buy

- Develop an understanding of personal financial literacy, including evaluating purchase options involving discounts, unit costs, and fixed/variable costs, to determine the better buy
- Develop an economic way of thinking and problem solving as a consumer
- Solve problems using the four operations with whole numbers and decimals to hundredths

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- Use positive and negative numbers to represent quantities in real-world contexts
- Solve problems involving rates, and percentages, including multi-step problems involving percent increase and percent decrease, and financial literacy problems

Sources:

Common Core State Standards Initiative: corestandards.org

Texas Essential Knowledge and Skills (TEKS): tea.texas.gov/curriculum/teks