

ACCELERATED MATH 6/7

THIRD NINE WEEKS



What will my child be learning during the third nine weeks of school?

- Represent constant rates of change in real world problems
- Solve problems involving ratios, rates, and percents
- Represent linear relationships (descriptions, tables, graphs, and equations) that simplify to $y = mx + b$
- Determine the constant of proportionality ($k = y/x$)
- Convert units within a measurement system
- Use equivalent fractions, decimals, and percents
- Compare the features and costs of a checking account, debit card, and credit cards
- Balance a check register
- Describe the information in a credit report and its value to borrowers and lenders
- Explain various methods to pay for college
- Compare annual salaries of several occupations
- Use the UPS✓ problem solving model to solve real-world problems



Academic Vocabulary

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|---------------------------------|----------------------------------|
| ■ Percent/percentage | ■ Customary/Metric |
| ■ Proportional/non-proportional | ■ Equivalent |
| ■ Ratio | ■ Dependent/independent quantity |
| ■ Rate | ■ Debit card/credit card |
| ■ Unit rate/per | ■ Deposit/Withdrawal/Transfer |
| ■ Scale factor | ■ Fee |
| ■ Constant | ■ Interest |
| ■ Increase/decrease | ■ Credit limit |
| ■ Table | ■ Bankruptcy |
| ■ Graph | ■ Credit report |
| ■ Equation | ■ Loan/Debt |
| ■ Part-to-part comparison | ■ Borrower/Lender |
| ■ Part-to-whole comparison | |



Developing Mathematical Fluency

- Give your child a fraction, decimal, or percent and ask the child for the equivalent forms
- Give your child several numbers in different forms to place on a number line
- Ask your child to calculate the tip or tax
- Ask your child to calculate a sales price after a percentage discount is applied
- Ask your child to convert measurements within a measurement system (metric or customary)



Conversation Starters

- How can you write a ratio as a percent?
- How do you use percents to describe change?
- What is a proportion? When would you use it?
- How can you become a knowledgeable consumer and investor?
- How can you pay for college?





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