



6th Grade Math



1st Six Weeks

- Place Value & whole number operations
- Fraction Basics
- Adding and Subtracting Fractions
- Graphing, comparing, & ordering integers
- Converting fractions/decimals
- Converting percents & fractions
- Converting decimals/percents
- Classifying rational numbers

2nd Six Weeks

- Compare & order rational numbers
- Graphing on coordinate plane
- Add, subtract, mult. & divide decimals
- Multiply & divide fractions
- Multiply & divide mixed numbers
- Problem solving w/fractions
- Add, subtract, multiply & divide integers
- Problem solving w/integers

3rd Six Weeks

- Ratios & rates
- Equivalent ratio & rates
- Metric conversions
- Customary conversions
- Percents over 100%
- Add & sub fractions w/unlike denominators
- Improper fractions & mixed numbers
- Adding & subtracting mixed numbers

4th Six Weeks

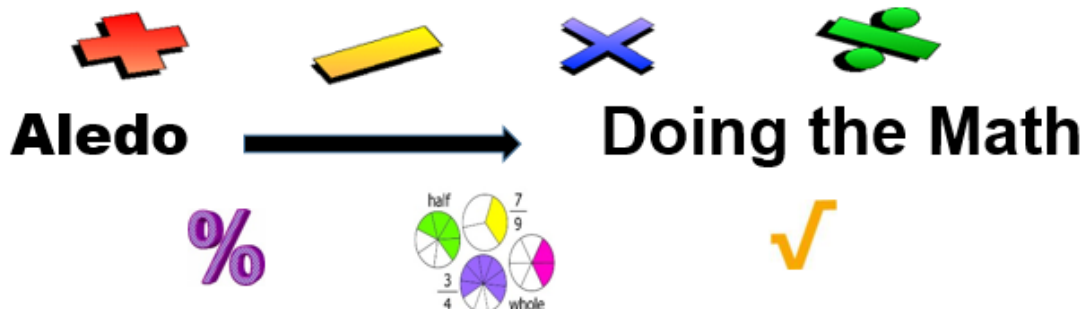
- Writing Algebraic Expressions
- Multiple representations of tables
- Additive & Multiplicative Relationships
- Simplifying expressions w/ exponents
- Prime factorization
- Order of operations
- Properties
- Writing equations
- Solving equations (+, -, x, ÷)

5th Six Weeks

- Writing & graphing inequalities
- Solving 1 step inequalities
- Angle relationships & angles in triangles
- Area of 2D shapes including irregular shapes
- Find volume of rectangular prisms
- Calculate mean, median, mode & measures of spread
- Create & analyze box plots, dot plots, stem & leaf graphs, and histograms
- Analyze selecting appropriate graphs

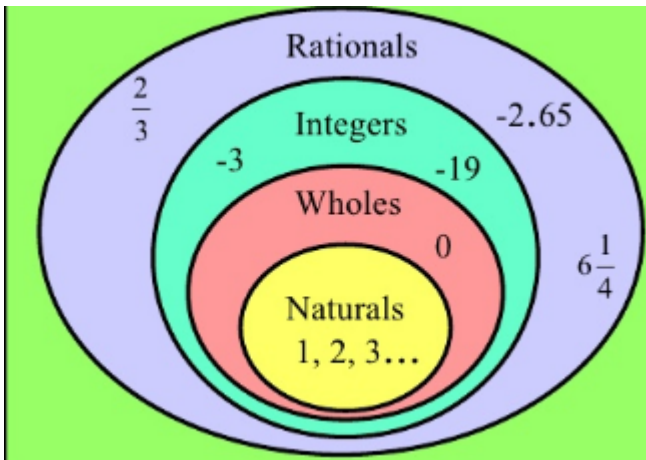
6th Six Weeks

- Compare checking accts and debit cards
- Balance a check register
- Understand credit reports importance & usage
- Study methods to pay for college
- Compare salary & education of occupations
- Review 6th Grade TEKS
- PBL activities



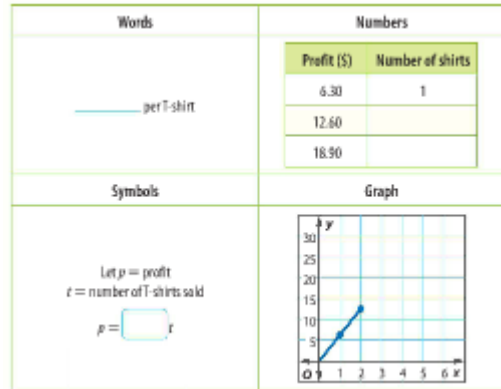
6th Grade Strategies

Sets of Numbers:



Representing a problem:

You make \$6.30 profit for each T-Shirt sold.



Properties:

Commutative Property - order

$$5 + 7 = 7 + 5$$

$$5 \times 6 = 6 \times 5$$

Identity Property -

$$5 + 0 = 5$$

$$1 \times 8 = 8$$

Zero Property of Multiplication -

$$10 \times 0 = 0$$

Associative Property -

$$(3 \times 7) \times 4 = 3 \times (7 \times 4)$$

$$(3 + 7) + 4 = 3 + (7 + 4)$$

Distributive Property -

$$7 \times (5 + 2) = (7 \times 5) + (7 \times 2)$$

For more information and activities: www.math4texas.com