

State Language:

The student generates and/or solves one-and two-step real-world problems using computational procedures and mathematical concepts:

- A) rational numbers
- B) the irrational number pi as an approximation
- C) applications of percents

Student Friendly Language:

- Students will solve Real-World problems involving fractions, decimals and percents.
- Students will solve area and perimeter of a rectangle.
- Students will solve area and circumference of a circle using pi.
- Students will work any percent problem.

Concept (Students will know):

a) computation with rational numbers
Use Area & Perimeter formulas for Rectangles finding a missing side. Converting fractions and decimals

b) understand (pi)
Find Area & circumference of circles.
Find the missing piece of a circle (radius/diameter)

c) Be able to figure interest, sales discount, sales price and sales tax using percents.

d) Solve any problem involving percents.

Skills (Students will do):

- a)** Use all 4 operations for Rational Numbers (fractions and decimals)
- Convert between fractions, decimals and percents.
- Uses equivalent representations with rational numbers.
- b)** Use Pi to find circumference and area of a circle.
- Find the missing piece of a circle (radius/diameter)
- c)** Be able to figure interest, sales & price discount and sales tax, and percent of sales.
- Be able to apply the formula for interest.
- Be able to use the percent proportions.

DOK Level:

2.5

Big Ideas:

- 1) Be able to work real world problems involving multi step problems with Area, Perimeter of a rectangle and circumference/area of a circle and finding missing sides and parts.
- 2) Work real world problems involving all kinds of percents, discount, sales price, sales tax and interest.

Core Materials

Supplemental Materials

Teaching Strategies:

Mastery Check Items: