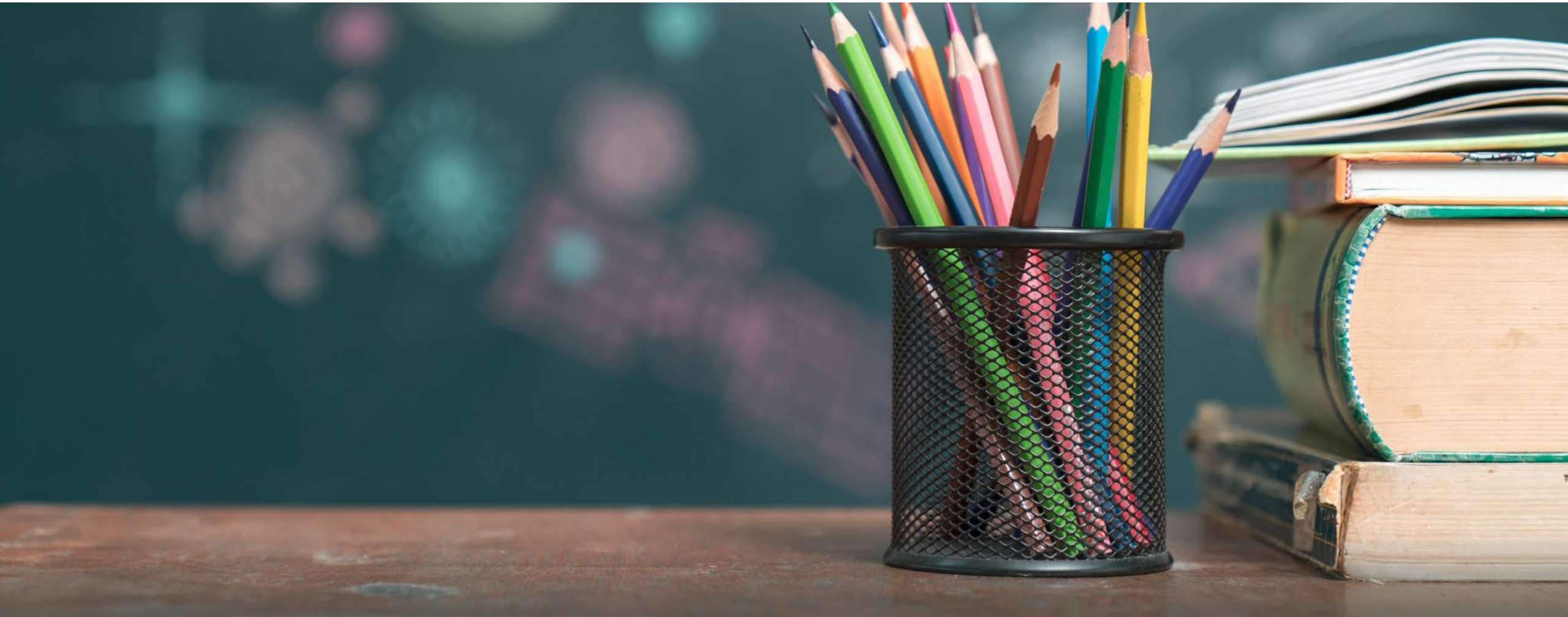
Making Numeracy Make Sense

Amy Cops



Numeracy

Must make sense and be meaningful

Games, hands-on activities, strategies

Practice, practice, practice

Place Value

READ IN OWN LANGUAGE, THEN TRANSLATE

PRACTICE HOW TO READ NUMBERS ALOUD

READ WORD IN PLACE OF COMMA

COMMA AND DECIMAL POINT CONFUSION

Place Value Chart is found on page 1.

- Card Game: Highest Number Wins
  - 2+ players
  - Determine how many places for each player's cards
  - Draw one card at a time
  - Place card with goal of creating highest number possible
  - Practice reading numbers aloud

Key Words

Build vocabulary to improve problem solving skills

Strategy: highlight key words to break story problems apart for better understanding

Math Symbols & Meanings is found on page 2.

Match words with symbols: + - x ÷

- Problem Solving
  - Practice, practice, practice
  - Types of problems repeat, found on multiple pages
  - Relevant to math in daily life
  - Topics: money, utilities, monthly/yearly payments, wages, perimeter, area, construction, miles per gallon, miles per hour

Area Activity with graph paper

- Square side x side
- Rectangle length x width
- Triangle base x height ÷ 2

- Area story problems found on multiple pages - Problem Solving
- Area activities found on pages 34-39, 40-42, 59-62, and 89-92

Proportions: A Problem-Solving Strategy

found on page 67

The ratio of pencils to pens is 9 to 10. There are a total of 117 pencils, find the number of pens.

$$\frac{9 \text{ pencils}}{10 \text{ pens}} \qquad \frac{117 \text{ pencils}}{? \text{ pens}}$$

Multiply diagonally. 10 x 117 = 1,170

Divide by remaining #. 1,170 ÷ 9 = 130

The answer is 130 pens.

Box Method: A Problem-Solving Strategy

found on pages 75, 79, 80.

What is 20% of 350?

is	%	?	20
of	100	350	100

Multiply diagonally. 350 x 20 = 7,000

Divide by remaining #. 7,000 ÷ 100 = 70

The answer is 70.

Contact Information

Amy Cops, Lakeshore Technical College Instructor

amy.cops@gotoltc.edu

(920) 840-3013