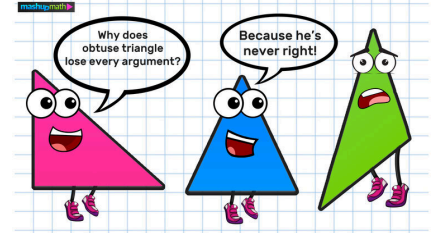# FAMILY MATH NEWSLETTER: JUNIOR EDITION
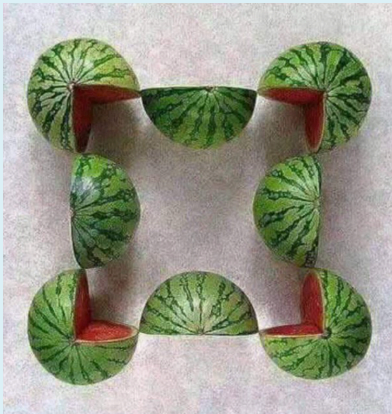## ISSUE 13: February 2025

Math Challenge

A school bus seats at most 36 students. At each of the first two stops, 7 students get on. What are the possible numbers of students the school bus can pick up after these two stops? Try using a number line to represent your thinking.
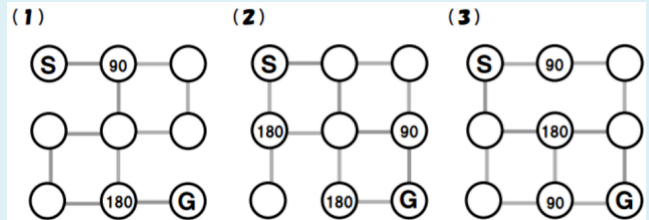
Source: Ontario Curriculum

Math Talk

What do you notice?

What do you wonder?

What fractions do you see?

Puzzle: Angle Maze Puzzles

Try drawing a continuous line from S (Start) to G (Goal).
You may only pass through each circle once.
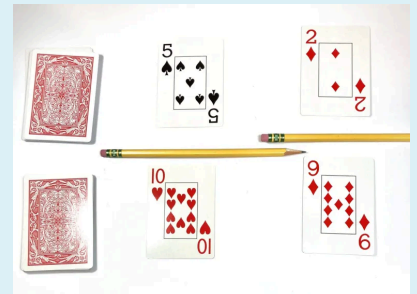Not every circle will be used.
If you hit a circle with an angle value inside, you must form that angle.

Angle Maze Puzzles Link

Game: Comparing Fractions

Materials: deck of cards with the Q and K removed. A=1 and J=12 (Jokers can be removed or made wild). Shuffle the deck, dealing the cards so that each player has half. At the same time, both players pull two cards and arrange them as a fraction. Players compare the two fractions created. The player with the larger fraction takes the cards. The player with the most cards at the end wins. If both players create the same fraction, they pull two more cards and create another fraction. The player with the largest fraction then takes all the cards.
Versatile! Keep an Ace as the top card (numerator) and only draw the bottom card (denominator) to *compare unit fractions*; Put the smaller card on top to *compare regular fractions*; Put the larger card on top to *compare improper fractions*; Pull a third card to create and *compare mixed numbers*!

Good Listen: The Beauty of Mathematics with Fern Hunt

Fern Hunt is known for her work in applied mathematics and mathematical biology. She has been involved with biomathematics, patterns in genetic variation, and chaos theory.
She currently works as an educator and presenter with the aim of encouraging women and minority students to pursue graduate degrees in mathematics and other STEM fields.

Listen: Fern Hunt on why Math is Beautiful!