

# HIGH CEILING



# LOW FLOOR

Here is a great activity that supports collaboration, communication and divergent thinking skills. Students work in groups of 2-4 and provide them with chart paper and markers. The teacher can then ask “how many ways can you represent the number 9?” Students write and draw as many ways they can think of.

SAGE’s President, Trish has collected ideas while doing this task. The ideas collected demonstrate how creative an activity this can be. Students have drawn a cat (9 lives), a cloud (on cloud nine), write out the month “September” (9<sup>th</sup> month), and have even drawn a pregnant woman!!!

## How Many Ways can you Show/Represent the Number 9?

- addition, subtraction, multiplication, division...
- exponent (3 squared)
- square root of 81
- draw nine of anything (stars, dots, etc.)
- decimals
- integers, negative and positive
- nine (written word)
- neuf (French)
- nueve (Spanish)
- IX
- September (ninth month)
- Gordie Howe/Rocket (famous hockey players)
- IIII IIII (tally)
- Number line (place dot on line)
- Number of players on a baseball team
- Upside down 6
- Dice
- Dominoes
- Nonagon (9 sided polygon)
- Scrabble word worth 9 points (Actress)
- Cat (nine lives)
- Time on clock (9 o’clock)
- Money – coins and bills
- Fractions 9/1, 18/2, etc
- “ladies dancing” (The Twelve Days of Christmas)
- months in a pregnancy
- cloud (cloud nine)
- a dog who is 63 years old (divide by 7)