Big Ideas Math®
Game Closet

5 is Alive

● Materials:
- Paper
- Pencil

● Directions:
Use exactly five 5's and the operations +, −, X, and ÷ to write expressions that have values of 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10.

For example, $(55 - 55)\,5 = 0$.

● Who Wins?
The student that has the most expressions wins.

● Possible Answers:

$$(55 - 55)\,5 = 0$$
$$(5 - 5)\,5 + 5 \div 5 = 1$$
$$((5 \times 5) - 5) \div (5 + 5) = 2$$
$$5 - (5 \div 5) - (5 \div 5) = 3$$
$$(5 + 5 + 5 + 5) \div 5 = 4$$
$$(5 \times 5) \div (5 \times 5) \times 5 = 5$$
$$(5 \times 5 \div 5) + (5 \div 5) = 6$$
$$5 + (5 \div 5) + (5 \div 5) = 7$$
$$(5 + 5 + 5) \div 5 + 5 = 8$$
$$(5 \times 5 - 5) \div 5 + 5 = 9$$
$$(55 \div 5) - (5 \div 5) = 10$$

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