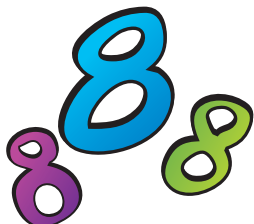


Big Ideas Math® Game Closet



8 is Great!



Materials:

- Paper
- Pencil

Directions:

Use exactly eight 8's and the operations $+$, $-$, \times , and \div to write expressions that have values of 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10.

For example, $8888 - 8888 = 0$.

Who Wins?

The student that has the most expressions wins.

Possible Answers:

$$\begin{aligned}
 8888 - 8888 &= 0 \\
 8888 \div 8888 &= 1 \\
 (888 \div 888) + 8 \div 8 &= 2 \\
 (88 \div 88) + 8 \div 8 + 8 \div 8 &= 3 \\
 (8 \times 8) \div (8 + 8) \times (88 \div 88) &= 4 \\
 (8 + 8 + 8 + 8 + 8) \div 8 \times (8 \div 8) &= 5 \\
 (8 + 8 + 8 + 8 + 8) \div 8 + (8 \div 8) &= 6 \\
 (8 \times 8 - 8) \div 8 \times (88 \div 88) &= 7 \\
 (88 - 8) \div 8 - (8 \div 8) - (8 \div 8) &= 8 \\
 (88 - 8) \div 8 - (8 \div 8) \times (8 \div 8) &= 9 \\
 (8 \times 8) \div 8 - 8 + (8 + 8) \div 8 + 8 &= 10
 \end{aligned}$$