# Big Ideas Math® Game Closet



## 9 is Fine!



- Paper
- Pencil



#### Directions:

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

For example, (9999 - 9999)9 = 0.

### Who Wins?

The student that has the most expressions wins.

#### Possible Answers:

(9999 – 9999) 9	= 0
$(99-9) \div 9 - (9 \times 9 \div 9)(9 \div 9)$	= 1
$(99-9) \div 9 - (9 \times 9 \div 9) + (9 \div 9)$	= 2
$(9+9) \div 9 + (9 \div 9)(99 \div 99)$	= 3
$(9+9+9+9) \div 9 \times (99 \div 99)$	= 4
$9 - (9 \div 9) - (9 \div 9) - (9 \div 9)$	= 5
$9 - (9 \div 9) - (9 \div 9) - (9 \div 9) \times (9 \div 9)$	= 6
9-(99 ÷ 99)-(99 ÷ 99)	= 7
9-(9999÷9999)	= 8
9 x (9999 ÷ 9999)	= 9
9+(9999÷9999)	= 10

