Highest or Lowest

OBJECTIVES: **'To add, subtract, multiply, create 1/2 fractions and double numbers.

MATERIALS: (each player)
    3 dice
    gameboard
    pencil
    calculator

RULES:

1. As partners, decide if your goal is to build using the highest or lowest number grid. Use the gameboard grid that matches that decision. If time allows you may complete both grids.

2. Roll all 3 dice, once for each of 4 turns. **The numbers rolled are your only available numbers to use on that turn.**

3. Follow various operations on your roll to add, subtract, mulitply, create ½ fractions & double numbers.

EXAMPLES: Roll 4, 5, 6.

Build you highest number possible.	**Build lowest number possible.**
Add: **4 + 5 + 6** = 15	Add: **4 + 5 + 6** = 15
Subtract: **6 - 5**=1 minus **4** = minus 2	Subtract: **4** minus 11 (**5 + 6**) = minus 7
Multiply: **5** x **6** = 30 x 4= 120	Multiply: **4 x 6** = 24 x **5** = 120
Fraction: **4 + 5 + 6** = 15 so ½ = 7 ½	Fraction: **4 - 5 - 6** = minus 7 so ½ = minus 3 ½
Double: **4 x 5 x 6** = 120 x 2 (double) = 240	Double: **4 - 5 - 6** = minus -7 x 2 (double) = -14

4. Write your problem and solution in each box on each turn.

5. When time ends or you finish all 4 turns, total up your answers both by rows and by columns. You may use a calculator to double check your math.

    For Highest Numbers: largest total wins.

    For Lowest Numbers: lowest total wins.

OPTIONS

    Allow players to work simultaneously on both grids using the same dice numbers.

Highest or Lowest

Highest Total Wins

	Add	Subtract	Mulitply	1/2 Fraction	Double	Totals
Turn 1						
Turn 2						
Turn 3						
Turn 4						
Totals						Total

Lowest Total Wins

	Add	Subtract	Mulitply	1/2 Fraction	Double	Totals
Turn 1						
Turn 2						
Turn 3						
Turn 4						
Totals						Total