Cobb Family Fun Trivia

Math Scrabble Board Game

Test Your Creativity & Algebra Skills!

$2 \times 3 = 6 = 7 - 1 \qquad 7 \div \tfrac{7}{4} = 4$

$+ \qquad\qquad\qquad -$

$45 \div 9 = 5 \qquad 2 \times \tfrac{3}{4} = 1\tfrac{1}{2}$

$= \qquad\qquad\qquad =$

$18 = 9 \times 2 = 6 \times 3 \qquad \tfrac{3}{4} \times \tfrac{1}{3} = \tfrac{1}{4}$

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Math Scrabble Rules

- Based on the very popular Scrabble game!
- Will need pad and pencil to record tile values
- The objective is to create math equations by adding on to equations already on the board
- All new equations must:
  - Connect to current equation(s)
  - Be either horizontal or vertical
  - NOT impact (the accuracy of) current equations
- Players will take turns in order
- Players will always have nine (9) tiles including numbers, fractions, and operators (+, −, x, ÷)

Math Scrabble Rules, cont.

- Tiles: 78 numbers, 25 fractions, 44 operators
- New/replacement tiles will be texted to you
- During a player's turn, he/she can either:
  - Pass
  - Add a new equation *(Used tiles will be replaced)*
  - Exchange tiles for new ones
- Points are earned based on tile values, bonus squares (2S, 3S), and equation squares (2E, 3E)
- Game ends when: (a) a player uses up his/her last tiles, or (b) there are no more new tiles
- Be sure to cross out used or exchanged tiles

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

Rows: 0, B, C, D, E, F, G, H, 0, J, K, L, M, N, O, P, Q, R, S

Tile Values (0–9 digits)

0	1	2	3	4
5	6	7	8	9

Tile Values

- 0, 1, 2, 3, 4, 5, + (1)
- 6, 7, 8, 9, 2/2, 3/3, 4/4, 6/6, − (2)
- x (3)   • 1/2 (4)
- 5/2, 2/4, 3/6, ÷ (5)
- 1/4, 3/4 (6)   • 7/4 (7)
- 1/3, 2/3 (8)   • 2/6, 4/6 (9)
- 1/6 (10)   • 5/6 (12)

Operators: + − X ÷

Tiles: = ¹/₂ ¹/₂ ²/₂ ⁵/₂ ¹/₃ ²/₃ ³/₃ ¹/₄ ²/₄ ³/₄ ⁴/₄ ⁷/₄ ¹/₆ ²/₆ ³/₆ ⁴/₆ ⁵/₆ ⁶/₆

2S 3S 2E 3E

#1