

DECIMAL TABLES CHALLENGE

Decimal Tables Challenge is a decimal multiplication game to get kids to apply their multiplication fact knowledge using decimals. It is a quick and easy game to play, and only requires counters and a calculator.

Age range: 5th Grade +

Number of players: 2

Learning: Multiplying by decimals, strategy and logical thinking

You will need

- 15 counters for each player
- Calculator (optional)

Instructions

- Player 1 chooses a number from the top row and a number from the bottom row and multiplies them together. Player 1 tells their answer to Player 2.
- Player 2 checks the calculation on a calculator or in their heads.
- If Player 1 is correct, they cover up the number on the board with one of their counters.
- If Player 1 is wrong, it is Player 2's turn.
- If Player 1 cannot cover up any numbers, then play passes to Player 2.
- Player 2 then chooses a number from each of the two rows and multiplies them together. Player 1 checks their answer.
- The winner is the first player to get 4 counters in a line (horizontal, vertical or diagonal).

Example

- Player 1 chooses 0.8 from the top row and 5 from the bottom row, and then multiplies both numbers together to get 4. Player 2 checks and agrees. So Player 1 covers up the number 4 on the board.
- Player 2 chooses 0.3 from the top row and 0.2 from the bottom row and multiplies them together to get 0.6. Player 1 challenges this calculation and they check on a calculator - Player 2 is incorrect (the answer is 0.06) so play passes back to Player 1.

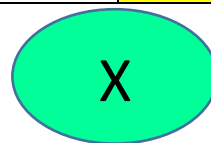
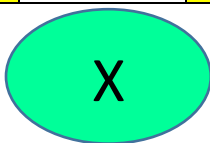
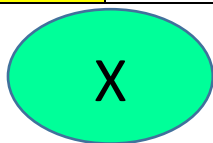
Variations

- Place a coin on each of the top two rows of numbers. Each turn a player has to move the coins either 1 or 2 places to the left or right. They then multiply the numbers the coins are on to make their number.
- Score 10 points for every line of 3 counters made on the board. The first player to get 60 points is the winner.

DECIMAL TABLES CHALLENGE

Choose one number from each row below to multiply together.

0.2	0.8	0.6	0.3	0.5	0.9	0.4
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7	0.4	8	5	0.6	3	0.2
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0.04	0.32	3	0.54	1	0.45	0.16
5.6	1.6	0.18	4.5	6.4	1.8	1.2
1.5	0.08	4.8	5.6	2.7	0.24	4
0.48	0.12	2.5	2	1.4	0.36	0.06
0.16	0.9	0.2	2.1	6.3	2.8	2.4
3.2	0.1	7.2	3.5	0.3	4.2	0.6

First player to get 4 in a line wins!

