

Find the Range - Division Four Square

Materials:

- Game board (see attached)
- Counters (one color for each player)
- Four 10-sided Dice (0-9)
- A marker, such as a cube or paper clip, to mark the divisor

Directions:

Players take turns, following the directions below.

1. Player 1 rolls the four dice and uses them to create a three or four-digit number (the dividend).
2. Next, Player 1 places a marker on the divisor they would like to use for this round for a range on the game board that helps them the most.
3. Finally, Player 1 estimates and states the range of the quotient of their dividend and divisor.
4. Player 2 checks to see if this is reasonable and, if correct, Player 1 places a marker on one space with the stated range.
5. Player 2 follows steps 1-4 above.
6. The winner is the player who gets four counters that form a square. Some different ways to form a square are shown on a sample game boards below.

Find the Range - Four Square

700-799	100-199	500-599	800-899	600-699	300-399
400-499	900-999	600-699	200-299	100-199	500-599
300-399	800-899	100-199	700-799	400-499	200-299
200-299	100-199	400-499	300-399	600-699	800-899
600-699	500-599	200-299	900-999	700-799	400-499
800-899	300-399	700-799	100-199	500-599	600-699

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200-299	100-199	400-499	300-399	600-699	800-899
600-699	500-599	200-299	900-999	700-799	400-499
800-899	300-399	700-799	100-199	500-599	600-699

Find the Range - Four Square Game Board

700-799	100-199	500-599	800-899	600-699	300-399
400-499	900-999	600-699	200-299	100-199	500-599
300-399	800-899	100-199	700-799	400-499	200-299
200-299	100-199	400-499	300-399	900-999	800-899
600-699	500-599	200-299	900-999	700-799	400-499
800-899	300-399	700-799	100-199	500-599	600-699

Divisors

6	8	9	12
15	16	18	25