

Prime Dice Game

Name: _____

Aim

In this game, you will be rolling prime dice and trying to get the biggest product possible in each of six categories.

Category	Score for the category
A number to the 4th power	The product of the prime numbers showing on the dice
A number ending in double zeros	This roll scores 500 points
A number ending in one zero	The product of the prime numbers showing on the dice
Square	The product of the prime numbers showing on the dice
Odd	The product of the prime numbers showing on the dice
Even	The product of the prime numbers showing on the dice

How to play

- Roll the prime dice and think about the product of the numbers you have rolled.
 - What categories will the product be in?
 - Which category will give you the biggest score?
 - If you roll one of the dice again, could you get a different category or a bigger score?
- If you decide to try to improve your score, you may roll any or all of the dice again.
- Decide on a category and work out your score.
- The game ends when all the players have filled the six sections on the scorecard.

Rules

- You can record only one number when it is your turn.
- You can score only once in each category.
- You can roll the dice again only once during each turn.
- If your product doesn't fit any of the remaining categories, you must choose a remaining category and assign it a score of zero.

Prime Dice Scorecard

Name: _____

Names of players								
Category	Numbers rolled	Score	Numbers rolled	Score	Numbers rolled	Score	Numbers rolled	Score
A number to the 4th power								
A number ending in double zeros (500 pts)								
A number ending in one zero								
Square								
Odd								
Even								
Total score								

Names of players								
Category	Numbers rolled	Score	Numbers rolled	Score	Numbers rolled	Score	Numbers rolled	Score
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