

Name: _____ Date: _____



Dice Game

Arnie and Jim are playing a dice game. Each player rolls three dice and uses the three numerals rolled to make 3-digit numbers. A numeral can only be used once in any number. Each number a player can make earns 10 points.

Arnie rolls 2, 5, and 3.

- What numbers can he make with these numerals? Explain how you know you have found all of the possible 3-digit numbers.
- How many points does Arnie score for this round?

Jim rolled a 1, 4 and 4.

- What numbers can he make with these numerals? Explain how you know you have found all of the possible numbers.
- How many points does Jim earn for this round?

Does Arnie or Jim win this round? Explain your answer.