



## Dice -- Ideas for Home (Grades 3-5)

### Place Value/Comparing

- Roll one die 4 times and write down the digits. Use them to create the greatest 4-digit number you can. Practice reading your number and writing it in word form and expanded form.
- Roll one die 4 times and write down the digits. Use them to create a 4-digit number. Then roll the die 4 more times and create another 4-digit number. Compare the two numbers. Which is the least? Which is the greatest?

### Addition/Subtraction

- Roll both dice. Add the two numbers.
- Roll both dice. Determine the greater number and then write and solve a subtraction problem.
- Money- Roll both dice and count out that many coins using a variety of coins (pennies, dimes, nickels, quarters). Determine the value of your coins.
- Roll the dice. Create a two digit number (roll a 5 and a 2, write the number 52). Roll the dice again and create another two digit number. Add or subtract the two created numbers.
- Use the dice to create 3, 4 and 5 digit numbers to add and subtract.

### Multiplication

- Roll one die and make that many circles on a piece of paper. Then roll the other die and put that many stars in each circle. Then skip count to find out how many in all.
- Roll the dice and multiply the numbers. Play against someone and whoever gets the higher product gets a point.
- Roll the dice. Create a two digit number (roll a 5 and a 2, write the number 52). Roll the dice again and create another two digit number. Multiply the two created numbers.