



Roving Ranges

Two Dice, Three Dice, Four Dice Handout

Instructions

- Copy down the 2-dice box plot based on class data to the appropriate spot below.
- With your group, record at least 50 sums of three dice. Figure out how to do this efficiently.
- Record values for the five-number summary (this will make it easy to do the next step).
- Make a box plot in the “3-dice” box.
- Based on your first two box plots, make a prediction about how the plot will look with 4 dice.

Dice	Box Plot	Five-number Summary
<p>2 dice</p>	<p>Box plot based on ____ rolls.</p>	<p>Max: Q3: Median: Q1: Min:</p>
<p>3 dice</p>	<p>Here is new data from your own group. Roll three dice and add. Box plot based on ____ rolls.</p>	<p>Max: Q3: Median: Q1: Min:</p>
<p>4 dice</p>	<p>Record your prediction about how the plot will look with 4 dice.</p>	<p>Max: Q3: Median: Q1: Min:</p>
<p>4 dice</p>	<p>Box plot based on ____ rolls (You'll do this later.)</p>	<p>Max: Q3: Median: Q1: Min:</p>