

Measures of Center: Dice Game

Finding Measures of Center

EQ: How do we, as statisticians, find the measures of center in a group of data?

Materials: 7 dice, a calculator, a pencil, this worksheet

Directions: Use your dice & calculator to find the measures of center for each data set you create.

Use 5 dice

(Roll the dice, and put the numbers in order from smallest to largest in the boxes below.)

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Mean : Add them up \rightarrow _____ Divide by 5 \rightarrow
(If a decimal, round to the nearest tenth.)

Mode: Which number(s) show(s) up the most?
(If there isn't any, write "no mode".)

Range: Subtract the smallest from the largest \rightarrow

Median: Find the middle number \rightarrow

Use 4 dice

(Roll the dice, and put the numbers in order from smallest to largest in the boxes below.)

□	□	□	□
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Mean : Add them up → _____ Divide by 4 →
(If a decimal, round to the nearest tenth.)

Mode: Which number(s) show(s) up the most?
(If there isn't any, write "no mode".)

Range: Subtract the smallest from the largest →

Median: The two middle numbers are: _____ and _____

Add them up and divide by 2 →

Use 7 dice

(Roll the dice, and put the numbers in order from smallest to largest in the boxes below.)

□	□	□	□	□	□	□
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Mean : Add them up → _____ Divide by 7 →
(If a decimal, round to the nearest tenth.)

Mode: Which number(s) show(s) up the most?

Range: Subtract the smallest from the largest →


Median: Find the middle number →


Use 6 dice

(Roll the dice, and put the numbers in order from smallest to largest in the boxes below.)

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Mean : Add them up \rightarrow _____ Divide by 6 \rightarrow 
(If a decimal, round to the nearest tenth.)

Mode: Which number(s) show(s) up the most? 
(If there isn't any, write "no mode".)

Range: Subtract the smallest from the largest \rightarrow 

Median: The two middle numbers are: _____ and _____

Add them up and divide by 2 \rightarrow 