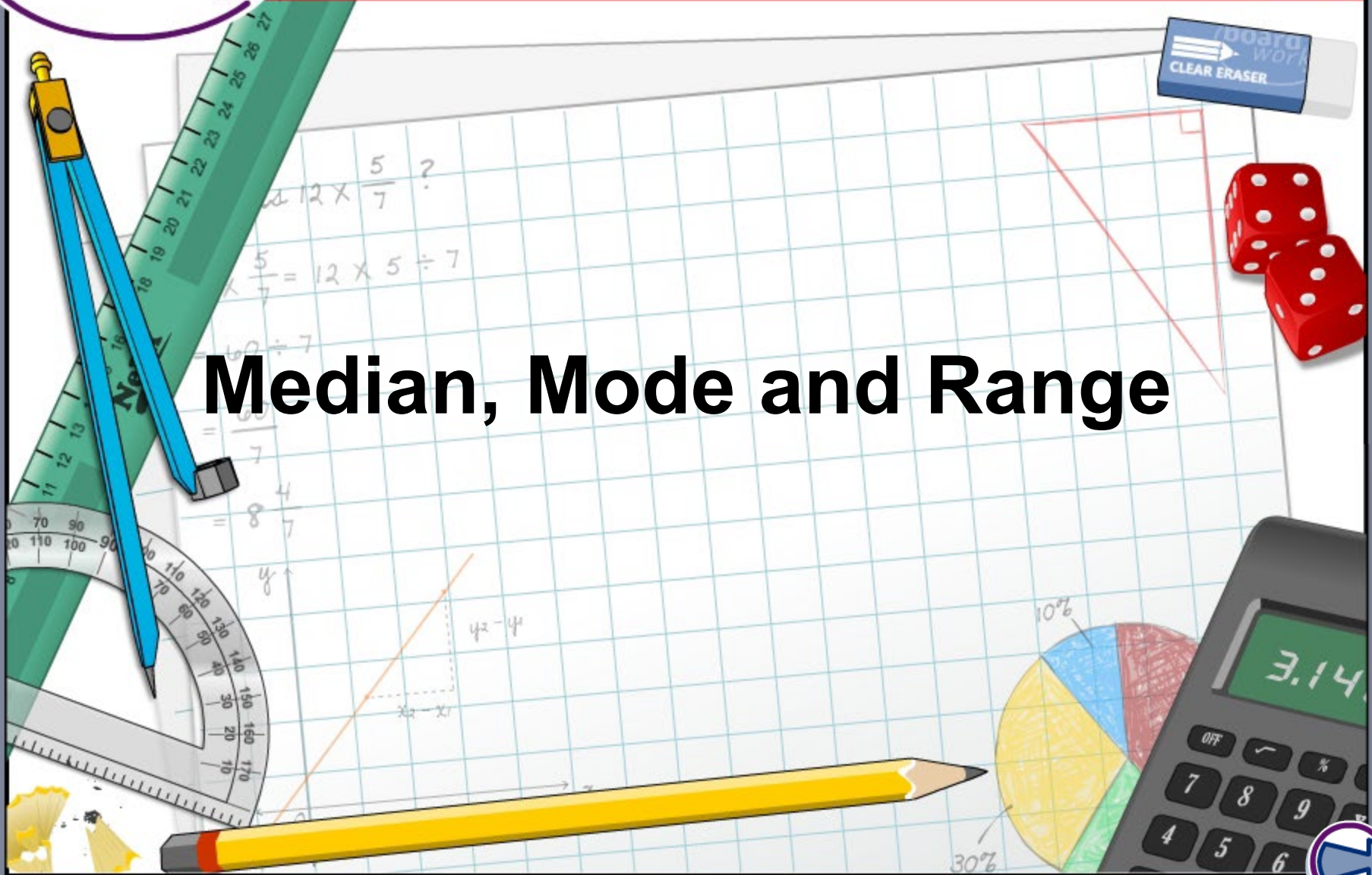




## Median, Mode and Range



## Common core icons



This icon indicates a slide where the Standards for Mathematical Practice are being developed. Details of these are given in the Notes field.



Slides containing examples of mathematical modeling are marked with this stamp.



This icon indicates an opportunity for discussion or group work.

The **Standards for Mathematical Practice** outlined in the Common Core State Standards for Mathematics describe varieties of expertise that mathematics educators at all levels should seek to develop in their students.

These are:

- 1) **Make sense of problems and persevere in solving them.**
- 2) **Reason abstractly and quantitatively.**
- 3) **Construct viable arguments and critique the reasoning of others.**
- 4) **Model with mathematics.**
- 5) **Use appropriate tools strategically.**
- 6) **Attend to precision.**
- 7) **Look for and make use of structure.**
- 8) **Look for and express regularity in repeated reasoning.**



This icon indicates that the slide contains activities created in Flash. These activities are not editable.



This icon indicates teacher's notes in the Notes field.



## Welcome to Math City!

Click on each button to learn more about the town and the people who live there.

Part 1

Part 2

Part 3





Press to reveal the mean, median and range of each set.

17 17 1 15 2 18 9 4 10 3



Order

mean

median

mode

range



# Find the missing number

Use the information provided to find the missing number.

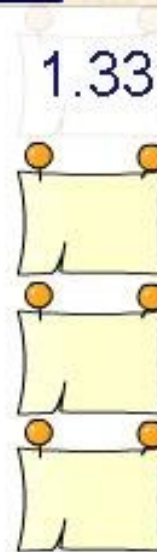
1      2      ?      1      1      1

mean 1.33

median

mode

range

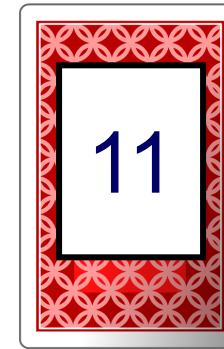
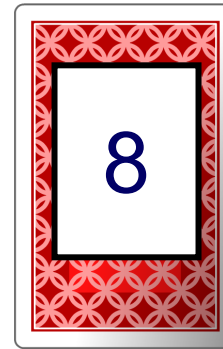
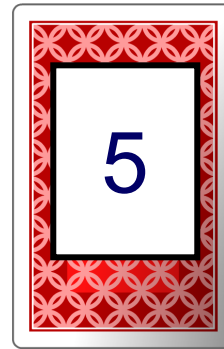
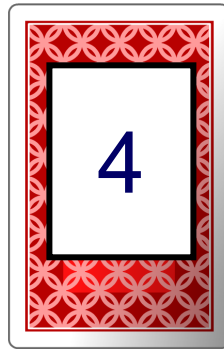
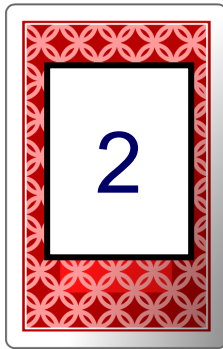


Order

# Mean and median puzzle



Look at the values on these five cards:



Choose three cards so that:

The mean is bigger than the median.

The median is bigger than the mean.

The mean and the median are the same.





# Interquartile range

MODELING



boardworks

The students at Math City Middle School have just taken a state achievement test, and their scores out of 100 are listed below. What would the mean, median, mode and range of their scores be? Did their school do well? Why or why not?

26, 70, 73, 81, 81, 83, 88, 90, 92, 93, 93, 95, 95, 95, 95, 96, 96, 97, 98, 99, 99, 100, 100



# Interquartile range practice

What is the interquartile range of these values?

10, 12, 17, 18, 19, 20, 21, 21, 22, 23, 23, 23,  
24, 24, 25, 25, 25, 26, 26, 26, 28, 28, 40

Lower quartile:

Upper quartile:

Interquartile range:

next

