
GRADE 6 MATHEMATICS – Unit 3

Dear Parents,

Here is a sample of what your child is learning in Grade 6, Unit 3. Look for additional newsletters for upcoming units.

Data Analysis & Probability

By the end of the unit, students should master these skills:

- Select, construct, interpret, and justify the appropriate graphical representation of data.
- Calculate the measures of central tendency (review).
- Interpret measures of central tendency for a data set.
- Create and interpret circle graphs.
- Identify samples of populations.
- Explain the effects of scale and/or interval changes in graphs that lead to misunderstandings.

Mrs. Jones wanted to see if she had a class that enjoyed walking. She wanted this information to help her decide on the type of field trips she would take this year. She decided to take a survey to determine this information, so she asked her class to keep track of the miles each walked over the weekend.

Here are the results of her survey.

Brittany	10	Jonah	11
Jeremy	13	Bradley	15
Tyler	12	Destiny	12
Paige	12	Glenda	15
Heidi	14	Katelyn	12
Zach	17	Micheal	14
Megan	16	Porter	13
Jessica	11	Emily	12
Darian	15	Christian	12
Sarah	10	Ben	14

Use the survey results to answer the following:

1. What is the mean of the total miles the class walked?
2. What is the range of the data?
3. What is the median of the data?
4. Create a graph to best represent this data.
5. What is the population of this survey?

Unit 3 Vocabulary

mean	population
mode	random sample
range	interval
median	scale
sample	

Here are a few Internet websites for additional practice.

http://nlvm.usu.edu/en/nav/topic_t_5.html (grades 6-8)

<http://www.bbc.co.uk/education/mathsfile/shockwave/games/fish.html>

<http://www.bbc.co.uk/education/mathsfile/shockwave/games/datapick.html>

<http://www.bbc.co.uk/education/mathsfile/shockwave/games/train.html>

<http://standards.nctm.org/document/eexamples/chag6/6.6/index.htm>

Use chapter 2 Lessons 6-8 as a textbook reference.

Morning and 2 day afternoon math assistance is available to any student needing it. This is not for students to complete homework.