

Skill Drill Warm-up Activity

Express each comparison as a ratio:

(Remember: Always express ratios in simplest form!)

45 cars to 36 vans:

9 boys to 27 girls:

44 ft in length to 20 ft in width:

Convert from ratios to decimals:

5 to 7 _____ 36:12 _____

$\frac{9}{15}$ _____ 75 to 100 _____

Convert from decimals to percent.

.008 = _____% .08 = _____%

.8 = _____% 8 = _____

Data Collection Work Sheet

Name: _____

Collect all necessary data and record in the table below.

Group Data	Group Number:							
	1	2	3	4	5	6	7	8
# problems attempted per group								
# problems correct per group								
# boys in each group								
# girls in each group								

Class Data

# boys in the class	
# girls in the class	
# boys in the top 3 groups	
# girls in the top 3 groups	
# problems attempted in the class	
# problems correct in the class	



Ratios of Data

Collected

Name: _____

1. What is the ratio of number of problems correct to number of problems attempted in your group? _____
2. What is the ratio of number of problems correct to number of problems attempted in the class? _____
3. What is the ratio of the boys in your group? _____
4. What is the ratio of the girls in your group? _____
5. What is the ratio of the boys in the class? _____
6. What is the ratio of the girls in the class? _____
7. What is the ratio of the boys in the top 3 groups? _____
8. What is the ratio of the girls in the top 3 groups? _____
9. What is the ratio of girls in top 3 groups to the class? _____
10. What is the ratio of boys in top 3 groups to the class? _____



Statistics Work Sheet

Name _____

Refer to the Ratios of Data Collected and complete the statistics in the table below.

Group Data	Ratio	Decimal	Percent
Ques. #1 problems correct to attempted			
Ques. #3 boys to group			
Ques. #4 girls to group			
Ques. #7 boys in top 3 groups			
Ques. #8 girls in top 3 groups			

Collect the percentages from Question #1 only.

Group Number

Class Data: 1 2 3 4 5 6 7 8

Question #1
~% only~

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Statistics Work Sheet page 2

Refer to the Ratios of Data Collected and complete the statistics in the table below.

Class Data	Ratio	Decimal	Percent
Ques. #2 problems correct to attempted			
Ques. #5 boys to class			
Ques. #6 girls to class			
Ques. #9 girls in top 3 groups to class			
Ques. #10 boys in top 3 groups to class			

What is the *mean* score for the class? _____

What is the *median* score for the class? _____

What is the *mode* score for the class? _____

Checklist for Writing Assessment: Students write a paper after the challenge explaining the results of the activity.

Organization

Student presents information in logical sequence which reader can follow.

Content Knowledge

Student is at ease with content and demonstrates knowledge of concepts.

Grammar & Spelling

Information in presentation demonstrates accuracy in spelling and grammar.

Neatness

Work is neat and legible.

Visit <http://www.teach-nology.com> for an excellent writing rubric!