

Math 6
Chapter 7 Review Study Guide
SHOW ALL OF YOUR WORK!!

Name _____
 Date _____ Class _____

1. Write three equivalent ratios for 4:8.

2. Write three equivalent ratios for 5 to 21.

3. Use a table to find three equivalent ratios.

a.

$\frac{3}{10}$			
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b.

15:7			
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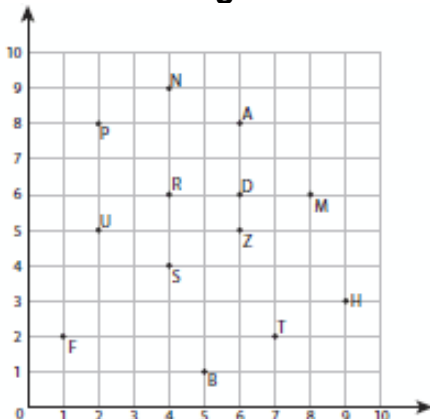
4. Which is the better deal? Show work to support your decision.

An 8 oz bag of pretzels for \$1.92 or a 12 oz bag of pretzels for \$2.64

5. The table below shows the cost of bowling for different-sized groups.
 Use the table to predict how much a group of 9 will pay.

Number in Group	2	4	8	10
Cost (\$)	10.50	21	42	52.50

Use the coordinate grid below for #6-11



Give the ordered pair for each point.

6. A _____

7. F _____

8. H _____

Name the point found at each location.

9. (7, 2) _____

10. (4, 6) _____

11. (4, 9) _____

Solve each proportion. SHOW ALL OF YOUR WORK using XMED!!

12. $\frac{3}{6} = \frac{n}{10}$

13. $\frac{1}{n} = \frac{3}{18}$

14. $\frac{4}{5} = \frac{18}{n}$

15. A fruit salad recipe calls for 2 cups of bananas for every 3 cups of apples. If Shannon is using 9 cups of apples to make fruit salad for a party, how many cups of bananas does she need?

Write each percent as a fraction in simplest form. SHOW YOUR WORK!!

16. 75%

17. 6%

18. 30%

Write each percent as a decimal. SHOW YOUR WORK!!

19. 8%

20. 27%

21. 0.05%

Write each decimal or fraction as a percent. SHOW YOUR WORK!!

22. 0.12

23. 0.857

24. $\frac{4}{5}$

25. $\frac{1}{16}$

Find the percent of each number. SHOW YOUR WORK!!

26. 7% of 63

27. 16% of 425

28. 130% of 21

29. St. Lawrence has about 712 students. About 33% of the students are in middle school (6th-8th grades). About how many middle school students currently attend St. Lawrence school?
YOU MUST SETUP THE WORK TO SOLVE THE QUESTION

Solve. SHOW YOUR WORK!!

30. 20% of what number is 25?

31. 4 is what percent of 50?

32. 30 is 250% of what number?

33. What percent of 96 is 36?

34. The sales tax on a \$25 shirt purchased at a store in the mall is \$1.99.
What is the sales tax rate at the mall?