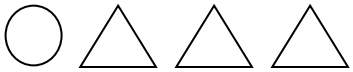
Name _____ Period _____ Date _____

PR1 QUIZ A

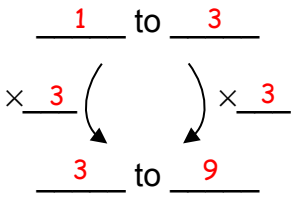
1. The teacher drew these shapes to the right on the whiteboard.



   a. Complete the table below comparing the number of circles and triangles in the ratio pictured. Be sure to include the labels in the left column.

Circles	1	3	11	150	6
Triangles	3	9	33	450	18
Total	4	12	44	600	24

   b. Using columns in the table, write two ratios that represent the ratio of circles to the total number of shapes. Show the multiplier with an arrow diagram.
   Answers may vary.



2. Using the table to the right, do the numbers in the rows represent equivalent ratios? No Explain.
   Period 3 has a ratio of 1: 1 and all other periods have a ratio of 2: 1.

	Number of pencils	Number of notebooks
Period 1	62	31
Period 2	76	38
Period 3	33	33
Period 4	94	47

3. Lita is painting her bedroom. She wants her bedroom to be painted lilac. In order to make this color she mixes together purple and white paint in a ratio of 2 : 5.

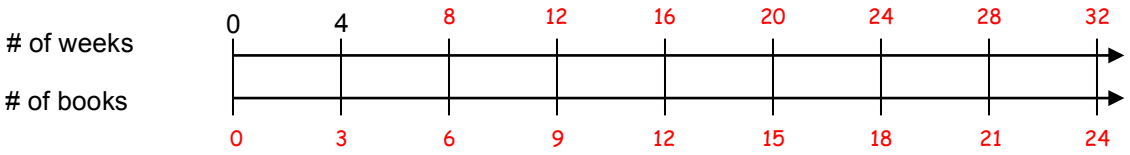
   a. Draw this mixture as a tape diagram.

   b. How many cups of white paint will she need to make 63 cups of lilac paint?
   45 cups of white

Name _____ Period _____ Date _____

PR1 QUIZ A
(Continued)

4. It takes Raul 4 weeks to read 3 books.
   a. Complete the double number line diagram below.
   b. At that rate, how many books can he read in 28 weeks? 21 books
   c. At that rate, how long will it take him to read 24 books? 24 weeks



5. Ben gets $30 in allowance every two weeks. He is saving all of his allowance to buy a game system that costs $360. How many weeks will it take him to save up enough money for the system? Use a table, tape diagram, or double number line to show your reasoning.
   24 weeks

6. During exercise, Sonia's heart beats 675 times in 5 minutes. How many times does it beat per minute?
   135 beats per min.

7. You buy 7 pounds of potatoes every 4 weeks.
   a. How many pounds of potatoes do you buy per week?
      1.75 pounds per week.
   b. At that rate how many pounds of potatoes would you buy in 6 weeks?
      10.5 pounds of potatoes.