Name _____ Date _____ Class _____

Skill: Writing Ratios

Write three ratios that each diagram can represent.

1.

2.
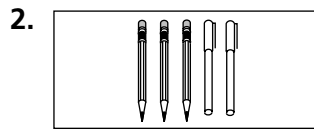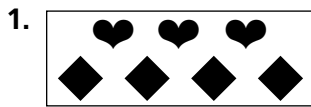
The table at the right shows the results of a survey. Write a ratio for each comparison.

Which Meal Do You Want for the Party?	
Tacos	Pizza
~~HHT~~ //// ~~HHT~~	~~HHT~~ ~~HHT~~ ~~HHT~~ /

3. *Tacos* to *Pizza*

4. *Pizza* to *Tacos*

5. *Tacos* to the total

6. *Pizza* to the total

The table below shows the results when the seventh-grade classes were asked whether they wanted chicken or pasta served at their awards banquet. Use the table for Exercises 7–8.

Banquet Preferences

Room Number	Chicken	Pasta
201	10	12
202	8	17
203	16	10

7. In Room 201, what is the ratio of students who prefer chicken to students who prefer pasta?

8. Combine the totals for all three rooms. What is the ratio of the number of students who prefer pasta to the number of students who prefer chicken?

9. A bag contains 8 yellow marbles and 6 blue marbles. What number of yellow marbles can you add to the bag so that the ratio of yellow to blue marbles is 2 : 1?

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