

Name: _____

RATIO

* Comparing Numbers

- 2 Types:
- ① Part-to-Whole → Compare girls to students
 - ② Part-to-Part → Compare Girls to Boys

3 ways of Writing

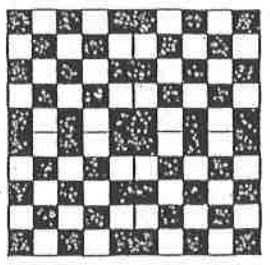
- ① 12 to 24
- ② 12 : 24
- ③ $\frac{12}{24}$ (Part-to-Whole ONLY)

Do Q# 2, 5-8
(Separate Sheet)

APPLICATIONS AND EXERCISES

1. Express the ratio in three ways.

a. shaded squares to non-shaded squares

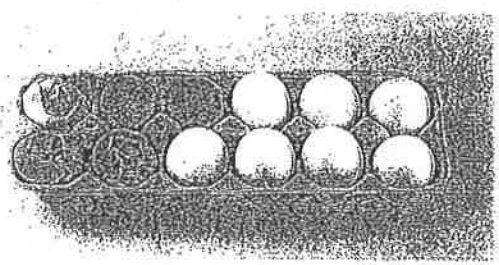


b. shaded squares to all squares

c. non-shaded squares to all squares

2. What are being compared? (Picture below)

- a. 3 to 9
- b. 8 to 12
- c. 4 : 8
- d. 1 : 8
- e. $\frac{12}{3}$
- f. $\frac{2}{4}$



3. There are about 26 students for every teacher in a school. What is the student-teacher ratio?

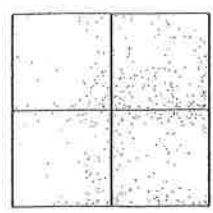
4. Write the ratio for your class of the number of boys to the number of girls.

5. Write the ratio of the number of games won to the number of games played for each hockey team.

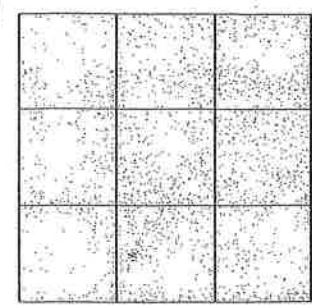
Team	Wins	Ties	Losses
Knights	3	2	1
Bisons	0	1	5
Flyers	5	1	0
Hawks	1	2	3

6. Compare square X to square Y. Give the ratio.

- a. length of a side
- b. perimeter (length of 4 sides)
- c. area (# of squares)



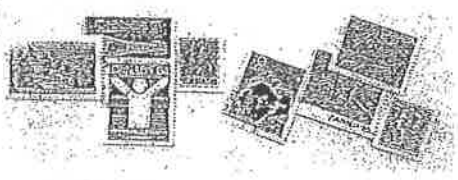
X



Y

7. Write the ratio of the number of vowels in the alphabet to the number of letters in the alphabet.

8. Write the ratio of the number of 9's to the number of 0's needed to write the numerals from 1 to 100.



Jane has 36 stamps. The ratio of Canadian stamps to foreign stamps is 3 to 1. How many stamps of each type does she have?

Try This

RATIOS

Practice

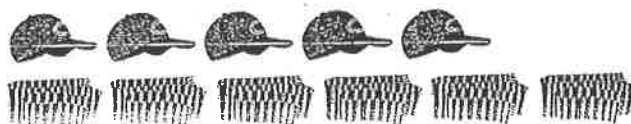
NAME:

1. Write each ratio 2 ways.

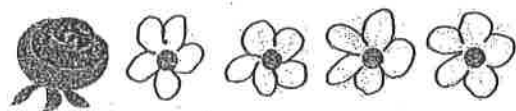
a) apples to pears



b) caps to scarves



c) roses to daisies



2. Write a ratio to show the numbers of:

a) ladybugs to ants

b) ants to ladybugs

c) ladybugs to insects

d) ants to insects



4. Ms. Zsabo has 13 girls and 11 boys in her class.

Write each ratio.

a) girls to boys

b) boys to girls

c) boys to students

d) girls to students

5. What is being compared in each ratio?

a) 3:4

b) $\frac{4}{7}$

c) 3 to 7

d) 4:3

