

# MasterMath

Name \_\_\_\_\_

Date \_\_\_\_\_

## Ratios

1. What is the ratio of hats to sunglasses?

6:7



2. Write these ratios in simplest form

ratio	simplified
8:4	2:1
25:5	5:1
64:8	8:1
6:48	1:8

ratio	simplified
125:1	125:1
12:96	1:8
5:100	1:20
60:6	10:1

3. Are these ratios equivalent?

ratio 1	ratio 2	equivalent
3:2	24/15	no
4:1	32:8	yes
1/6	7:42	yes

ratio 1	ratio 2	equivalent
16/3	5:1	no
21:7	3/1	yes
11:55	1/5	yes

4. Write a ratio that is equivalent to 8:3

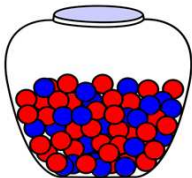
16:6

5. There are 24 students in the class. The ratio of boys to girls is 2:1. How many boys are in the class? (Hint: the ratio describes the relationship for each 3 students: 2 boys and 1 girl)

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6. Both you and your sister have a collection of 120 marbles. All the marbles are either red or blue. You sister has a ratio of red to blue marbles of 2:3. You have a ratio of red to blue marbles of 3:5. Who has the most red marbles?

your sister



7. The baseball team has 8 boys and 6 girls. If 3 girls join the team, how many more boys must join to keep the ratio of boys to girls the same?

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