

Name _____

Equivalent Ratios and Multiplication Tables



COMMON CORE STANDARD—6.RP.A.3a
Understand ratio concepts and use ratio reasoning to solve problems.

Write two equivalent ratios.

1. Use a multiplication table to write two ratios that are equivalent to $\frac{5}{3}$.

$$\frac{5}{3} = \frac{10}{6}, \frac{15}{9}$$

2.

6		
7		

3.

3		
2		

4. $\frac{6}{8}$

5. $\frac{11}{1}$

Determine whether the ratios are equivalent.

6. $\frac{2}{3}$ and $\frac{5}{6}$

7. $\frac{5}{10}$ and $\frac{1}{6}$

8. $\frac{8}{3}$ and $\frac{32}{12}$

9. $\frac{9}{12}$ and $\frac{3}{4}$

Problem Solving



10. Tristan uses 7 stars and 9 diamonds to make a design. Write two ratios that are equivalent to $\frac{7}{9}$.

11. There are 12 girls and 16 boys in Javier's math class. There are 26 girls and 14 boys in Javier's choir class. Are the ratios of girls to boys in the two classes equivalent? Explain.

12. **WRITE** *Math* Explain how to determine whether two ratios are equivalent.