

Name: _____



PRACTICE



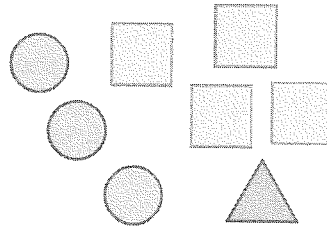
TUTORIAL

5-1 Additional Practice

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In 1–6, use the shapes shown below. Write a ratio for each comparison in three ways.



1. The number of triangles to the total number of shapes
2. The number of squares to the number of triangles
3. The number of triangles to the number of squares
4. The number of triangles to the number of circles
5. The number of circles to the total number of shapes
6. The total number of shapes to the number of squares

In 7–10, draw a diagram to help solve each problem.

7. A cleaning crew can clean 5 offices in 6 hours. How many offices can they clean in 12 hours?
8. Joseph is planting a vegetable garden. He plants 2 tomato plants for every 5 pepper plants. If Joseph plants 14 tomato plants, how many pepper plants does he plant?
9. There are 4 adult chaperones for every 15 students who attend a school field trip. If there were 135 students, how many adults would there be on the field trip?
10. Ms. Dawson spent \$28 for 8 notebooks. If each notebook sells for the same price, how much would she have to spend for 48 notebooks?

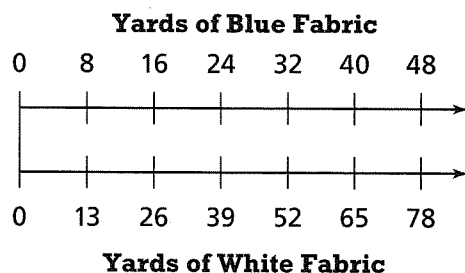


11. There are 14 boys and 16 girls in Mr. Allen's class. What is the ratio of girls to the total number of students in the class? Write the ratio in 3 ways.
12. A pet store keeps 4 small fish in every 10 gallons of water. How many gallons of water are needed for 36 fish?
13. Gary has 24 quarters, 16 dimes, and 32 pennies. Write a ratio that compares the combined number of dimes and pennies to the number of quarters.
14. **Reasoning** There are 12 students who play the clarinet and 16 students who play the viola. What does the ratio 16:12 describe?
15. **Be Precise** An orchard contains 12 rows of Granny Smith apple trees, 10 rows of Fuji apple trees, 15 rows of Gala apple trees, 2 rows of Golden Delicious apple trees, and 2 rows of Jonathan apple trees. Write each ratio in three ways.
- a. Rows of Gala apple trees to Granny Smith apple trees
- b. Rows of Fuji apple trees to the total number of rows of apple trees
16. **Higher Order Thinking** Lori is 6 years old. In three years, her cousin Philip will be twice as old as Lori will be. Write the ratio of Philip's age now to Lori's age now.
17. The ratio of desktop computers to laptop computers at a company is 2 to 9. If there were 108 laptop computers, how many computers would there be in all at the company?



Assessment Practice

18. A company makes uniforms for a fast-food restaurant. For every 8 yards of blue fabric, they use 13 yards of white fabric. This is represented in the diagram below.



Explain how you would use the diagram to find the number of yards of white fabric used when 64 yards of blue fabric are used.

