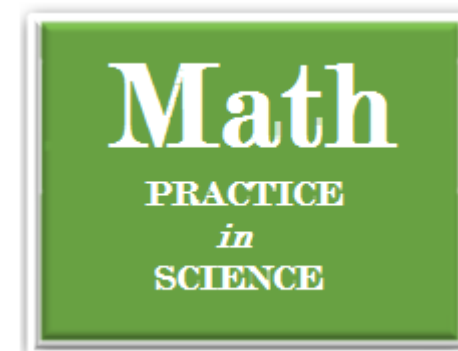# 060 Math Practice

Writing Ratios

A *ratio* is a method of comparison using fractions. During one week (7 days), it was rainy 5 days and sunny 2 days. The ratio of rainy days to sunny days is 5 to 2. Ratios can also be expressed in other ways.

Example: The ratio of 4 circles to 3 squares can be written as

$$4 \text{ to } 3 \quad \text{or} \quad \frac{4}{3} \quad \text{or} \quad 4{:}3$$

The fractional form, $\frac{4}{3}$, is the most popular form because mathematical operations can be worked with ease.

Step 1: Write the number of the first term as the numerator in the fraction.
Step 2: Write the number of the second term as the denominator in the fraction.
Step 3: Write the fraction in its lowest terms.

There are three squares, three shaded circles, four unshaded circles, and six triangles in the picture.
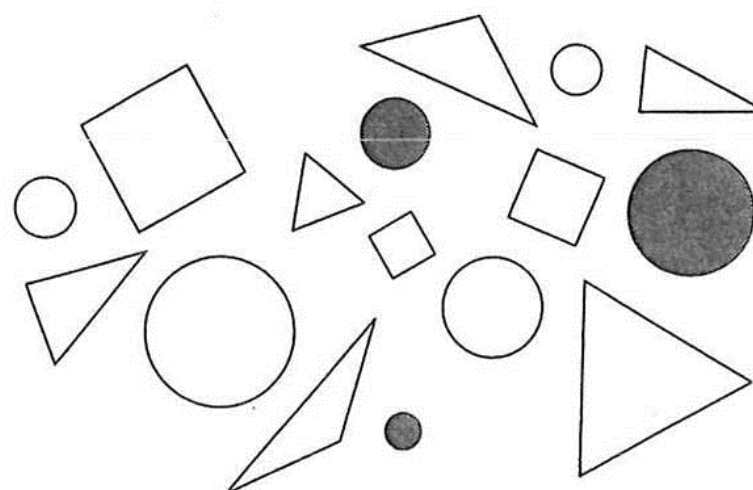
Write a ratio to make each comparison. Use the fractional form. Express in lowest terms, if possible.

1. unshaded circles to triangles _____

2. squares to unshaded circles _____

3. triangles to unshaded circles _____

4. triangles to squares _____

5. unshaded circles to squares _____

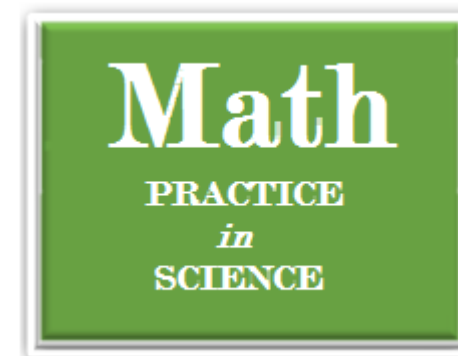6. squares to triangles _____

7. unshaded circles to all circles _____

8. all circles to triangles _____

9. squares to shaded circles _____
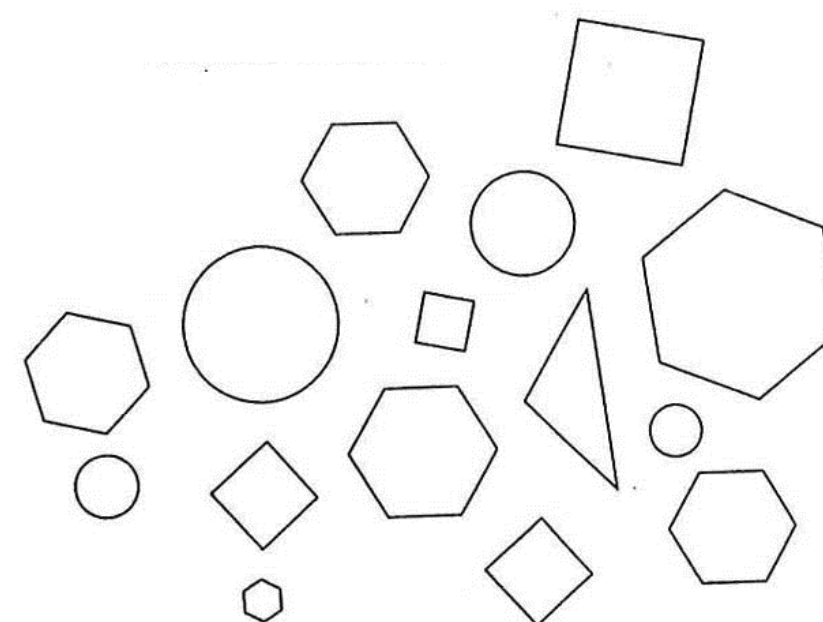
10. all circles to squares _____

061 Math Practice
Comparing Quantities

Write a ratio to make each comparison. Use the fractional form. Write the ratio in lowest terms.

1. circles to hexagons _____
2. squares to hexagons _____
3. triangles to circles _____
4. hexagons to triangles _____
5. squares to circles _____
6. squares to triangles _____
7. hexagons to circles _____
8. circles to squares _____
9. triangles to hexagons _____
10. hexagons to squares _____
11. circles to triangles _____
12. triangles to squares _____

Write a ratio to make each comparison. Use the fractional form. Write the ratio in lowest terms.

13. shaded circles to unshaded circles _____
14. unshaded rectangles to shaded triangles _____
15. unshaded triangles to shaded triangles _____
16. shaded triangles to all triangles _____
17. all rectangles to shaded circles _____
18. all circles to unshaded triangles _____
19. shaded circles to shaded triangles _____
20. shaded triangles to shaded circles _____
21. unshaded circles to shaded circles _____
22. all triangles to all circles _____