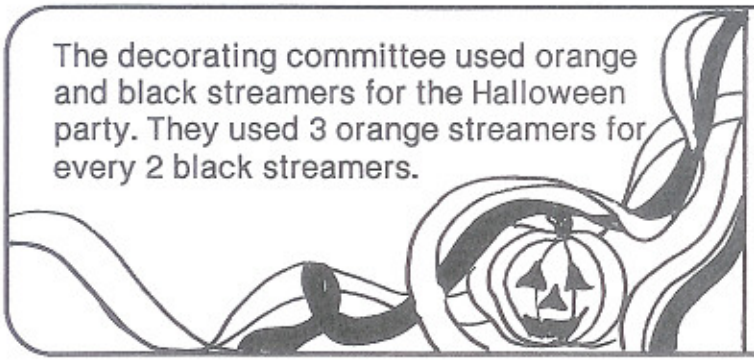
Ratio

A ratio compares two numbers by use of the division sign.



The decorating committee used orange and black streamers for the Halloween party. They used 3 orange streamers for every 2 black streamers.

We say, "The ratio of orange streamers to black is 3 to 2."

We write:

3 to 2 or $\frac{3}{2}$ or 3 : 2

1. The ratio of circles to squares is _____

2. The ratio of triangles to circles is _____

Write each ratio as a fraction in lowest terms.

3. $\frac{4}{8}$ _____ **4.** 5 to 15 _____ **5.** 14:8 _____ **6.** 10:6 _____

7. $\frac{10}{4}$ _____ **8.** $\frac{9}{45}$ _____ **9.** 12:6 _____ **10.** 8 to 12 _____

11. 16 to 32 _____ **12.** 600 to 400 _____ **13.** 33:55 _____ **14.** 25 to 30 _____

Write each ratio in simplest terms. (The two numbers being compared must be expressed in the same denomination.)

15. 5 days to 2 weeks _____

16. 2 feet to 2 yards _____

17. 25 seconds to 1 minute _____

18. a quarter to 2 dimes _____

19. I meter to 1 centimeter _____

20. 6 inches to 1 foot _____

Write each rate as a ratio.

21. 400 miles in 8 hours _____

22. 6 for $4 _____

23. 800 rpm's in 4 minutes _____

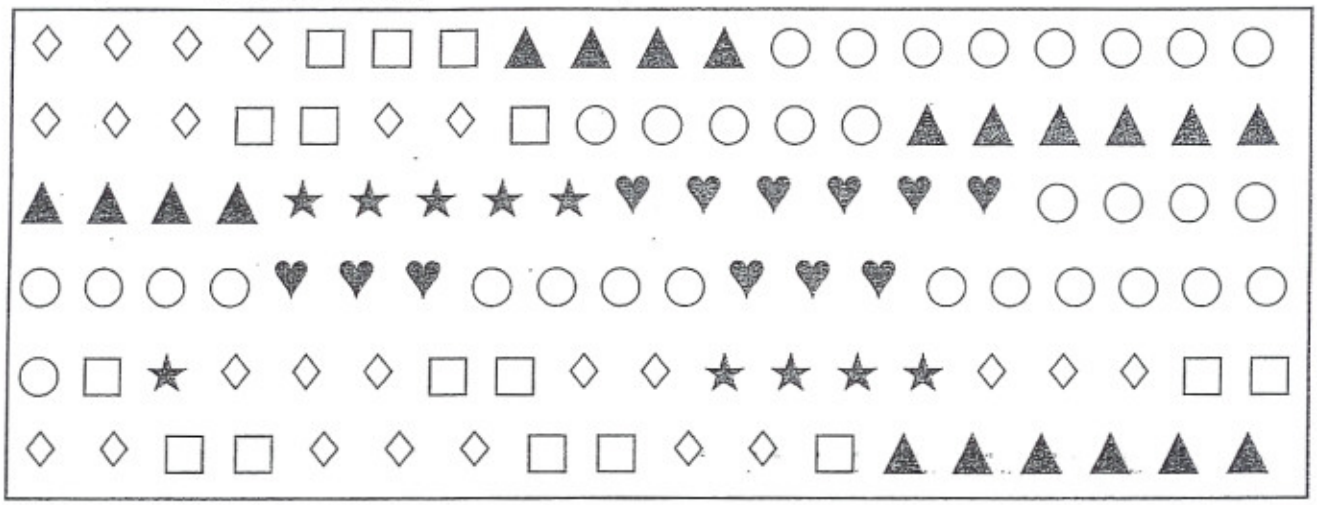
24. 300 pounds in 10 boxes _____

Name _____

Shapely Ratios

A ratio is a comparison of two quantities. Ratios can be written using a *to*, a colon, or fraction form.

Example: For □□□□ ○○○, the ratio of squares to circles is written as 4 to 3 or 4:3 or 4/3.



Count the various shapes.

1. Diamonds _____
2. Squares _____
3. Triangles _____
4. Circles _____
5. Stars _____
6. Hearts _____

Write the following ratios in lowest terms.

7. Diamonds to squares _____
8. Squares to triangles _____
9. Triangles to circles _____
10. Circles to diamonds _____
11. Squares to circles _____
12. Circles to triangles _____
13. Triangles to stars _____
14. Stars to hearts _____
15. Hearts to circles _____
16. Circles to hearts _____
17. Circles to squares _____
18. Stars to diamonds _____
19. Squares to diamonds _____
20. Diamonds to stars _____