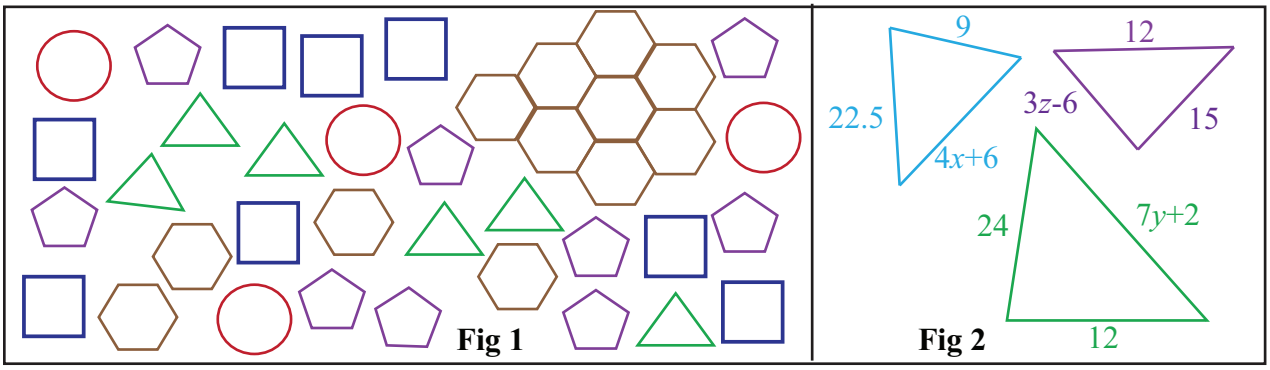
Handout 1: Ratios, Insert Viral Video Here Style



Use Fig 1 for questions 1-5.

1. What is the ratio of triangles to circles?

2. In simplest form, what is the ratio of pentagons to hexagons?

3. The ratio of circles to triangles is proportional to the ratio of _____ to pentagons.

4. The ratio of _____ to circles is proportional to the ratio of hexagons to triangles.

5. How many octagons would need to be added to make the ratio of triangles to pentagons proportional to the ratio of hexagons to octagons?

Use Fig 2 for questions 6-8.

6. What is the value of x?

7. What is the value of y?

8. What is the value of z?

9. If $\Delta ABC \sim \Delta DEF$, $AB = 14$, $BC = 18$, and $DE = 7$, then what is the length of $\overline{EF}$?

10. If $\Delta ABC \sim \Delta DEF$, $\angle A = 35°$, and $\angle B = 112°$, what is the measure of $\angle F$?
