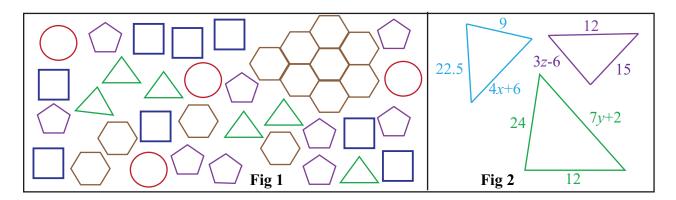
Handout 1: Ratios, Insert Viral Video Here Style



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 $\triangle ABC \sim \triangle DEF$, AB = 14, BC = 18, and DE = 7, then what is the length of \overline{EF} ?
- 10. If $\triangle ABC \sim \triangle DEF$, $\angle A = 35^{\circ}$, and $\angle B = 112^{\circ}$, what is the measure of $\angle F$?

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