

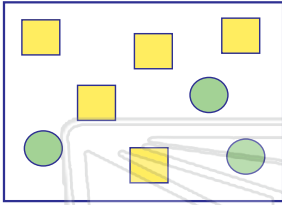


Numerical & Geometric Proportions

Math

Name _____ Class _____ Date _____

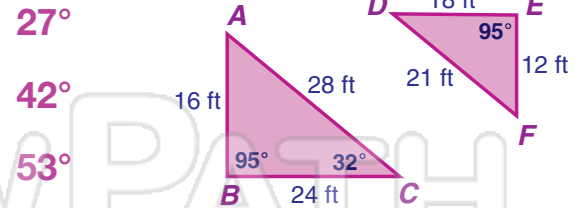
1 What is the **ratio** of **squares to circles** in the figure shown? Circle the answer.



- $\frac{3}{5}$
- $\frac{5}{3}$
- $\frac{5}{8}$

2 There are two animal hospitals. At hospital A, there are 8 dogs and 6 cats. At hospital B, there are 12 dogs and 14 cats. What is the **ratio of cats** at hospital A compared to hospital B?

6 The triangles shown are **similar**. What is the measure of $\angle DFE$? Circle it.



- 27°
- 42°
- 53°

7 Given the **similar** polygons shown, which **side corresponds to side DF**?



- EF
- BC

3
4 ft



PREVIEW

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4

5 Lindsey is building a model of her house. She wants to use the **ratio of 1 inch for every 5 feet**. If her house is 35 feet tall, which **proportion** should she use to get the **height** of her model? Check the answer.

- $1/35 = x/5$
- $1/5 = x/35$
- $x/5 = 35/1$
- $35/5 = 1/x$

10 Two flat screen TVs are **similar** as shown. What is the **length** of the larger TV?

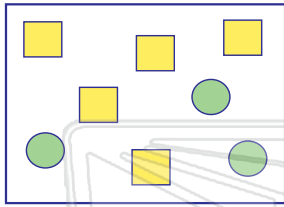


- 19 in. 40 in.
- 31 in. 42 in.



Name _____ Class _____ Date _____

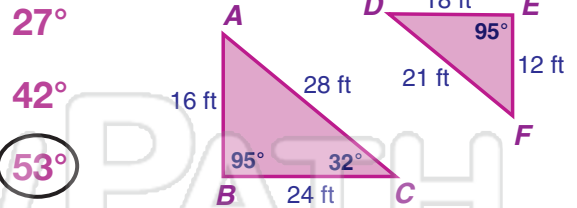
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27°
42°
53°

- 7 Given the **similar** polygons shown, which **side corresponds to side DF**?



EF $\frac{BC}{BC}$

3
4 ft



PREVIEW

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$\frac{63}{14} = 63 \text{ mph}$

- 5 Lindsey is building a model of her house. She wants to use the **ratio of 1 inch for every 5 feet**. If her house is 35 feet tall, which **proportion** should she use to get the **height** of her model? Check the answer.

- $\frac{1}{35} = \frac{x}{5}$ $\frac{1}{5} = \frac{x}{35}$
 $\frac{x}{5} = \frac{35}{1}$ $\frac{35}{5} = \frac{1}{x}$

- 10 Two flat screen TVs are **similar** as shown. What is the **length** of the larger TV?



19 in. 40 in.
31 in. $\frac{42 \text{ in.}}{42 \text{ in.}}$