

# Proportions WS 2

Date \_\_\_\_\_ Period \_\_\_\_\_

Solve each proportion.

1)  $\frac{9}{k} = \frac{7}{8}$  k = \_\_\_\_\_

2)  $\frac{9}{10} = \frac{p}{6}$  p = \_\_\_\_\_

3)  $\frac{10}{5} = \frac{3}{a}$  a = \_\_\_\_\_

4)  $\frac{4}{8} = \frac{x}{9}$  x = \_\_\_\_\_

Answer each question and round your answer to the nearest whole number.

- 5) The money used in Argentina is called the Peso. The exchange rate is \$2 = 6 Pesos. Find how many Pesos you would receive if you exchanged \$4.

\_\_\_\_\_ Pesos

- 6) Kayla bought 12 red potatoes for \$6. How many potatoes can Natalie buy if she has \$3?

\_\_\_\_\_ potatoes

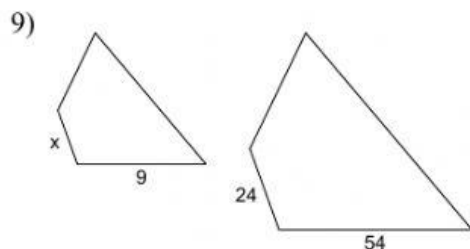
- 7) Amy bought nine bunches of fennel for \$21. How many bunches can Amanda buy if she has \$7?

\_\_\_\_\_ bunches

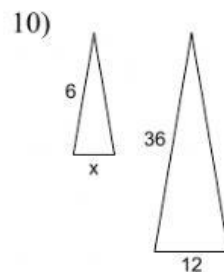
- 8) The currency in Turkey is the New Lira. The exchange rate is approximately 6 New Lira for \$4. At this rate, how many New Lira would you get if you exchanged \$12?

\_\_\_\_\_ New Lira

Each pair of figures is similar. Find the missing side.

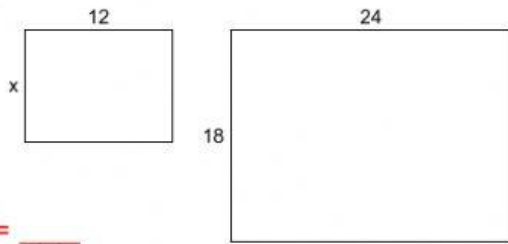


x = \_\_\_\_\_



x = \_\_\_\_\_

11)



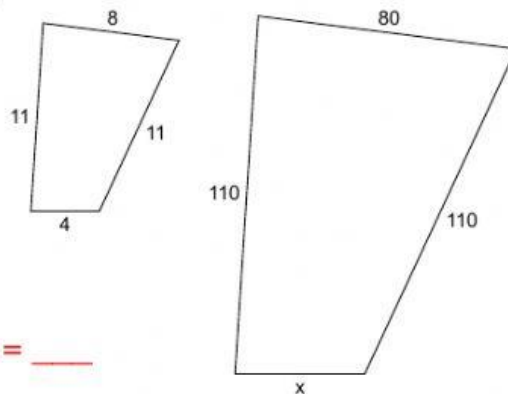
$$x = \underline{\hspace{2cm}}$$

12)



$$x = \underline{\hspace{2cm}}$$

13)



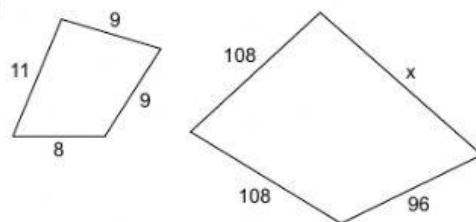
$$x = \underline{\hspace{2cm}}$$

14)



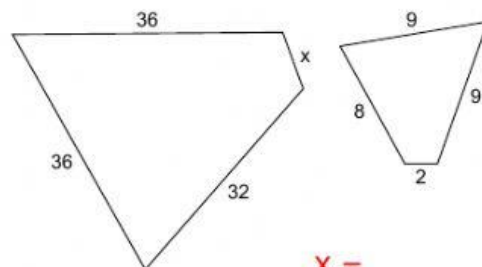
$$x = \underline{\hspace{2cm}}$$

15)



$$x = \underline{\hspace{2cm}}$$

16)



$$x = \underline{\hspace{2cm}}$$

**Answer each question and round your answer to the nearest whole number.**

- 17) A model giraffe has a scale of 2 in : 1 ft.  
If the model giraffe is 32 in tall, then how tall is the real giraffe?

$$\underline{\hspace{2cm}} \text{ ft}$$

- 18) Find the distance between Brisbane and Clinton if they are 8 cm apart on a map with a scale of 2 cm : 16 km.

$$\underline{\hspace{2cm}} \text{ km}$$

- 19) Yorkshire and Franklin are 34 mi from each other. How far apart would the cities be on a map that has a scale of 5 in : 17 mi?

$$\underline{\hspace{2cm}} \text{ in}$$

- 20) A tent that is 4 ft tall casts a shadow that is 8 ft long. Find the length of the shadow that a 6 ft car casts.

$$\underline{\hspace{2cm}} \text{ ft}$$