

Proportions WS 2

Date _____ Period _____

Solve each proportion.

1) $\frac{9}{k} = \frac{7}{8}$ $k = \underline{\hspace{2cm}}$

2) $\frac{9}{10} = \frac{p}{6}$ $p = \underline{\hspace{2cm}}$

3) $\frac{10}{5} = \frac{3}{a}$ $a = \underline{\hspace{2cm}}$

4) $\frac{4}{8} = \frac{x}{9}$ $x = \underline{\hspace{2cm}}$

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.

 $\underline{\hspace{2cm}}$ Pesos

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

 $\underline{\hspace{2cm}}$ potatoes

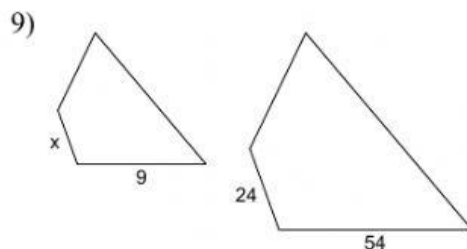
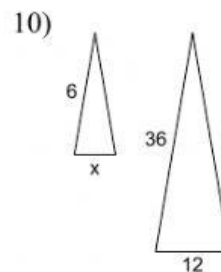
- 7) Amy bought nine bunches of fennel for \$21. How many bunches can Amanda buy if she has \$7?

 $\underline{\hspace{2cm}}$ bunches

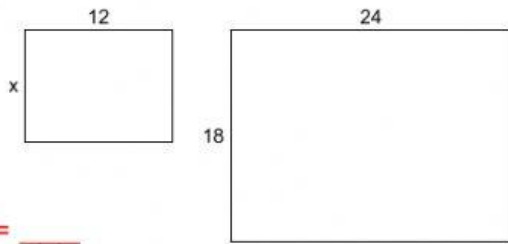
- 8) The currency in Turkey is the New Lira. The exchange rate is approximately 6 New Lira for \$4. At this rate, how many New Lira would you get if you exchanged \$12?

 $\underline{\hspace{2cm}}$ New Lira

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

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

11)



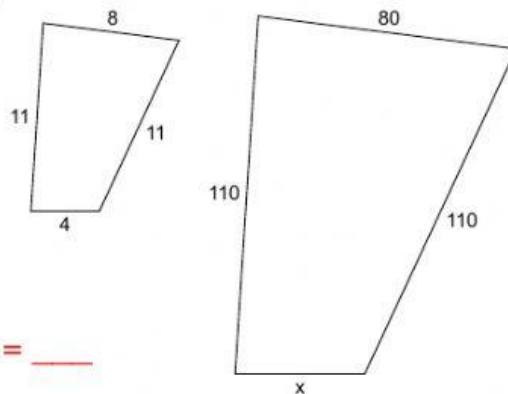
$x = \underline{\hspace{2cm}}$

12)



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

13)



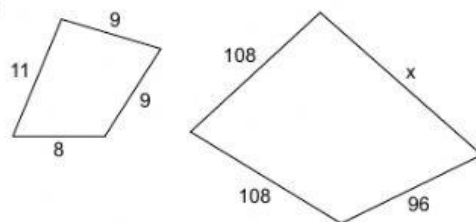
$x = \underline{\hspace{2cm}}$

14)



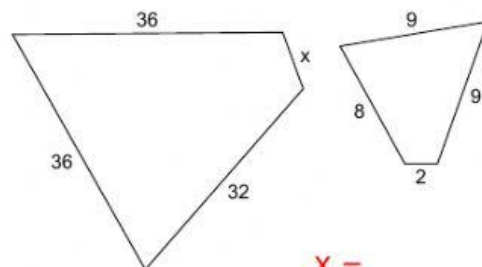
$x = \underline{\hspace{2cm}}$

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?

$\underline{\hspace{2cm}}$ 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.

$\underline{\hspace{2cm}}$ 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?

$\underline{\hspace{2cm}}$ 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.

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