

Ratio, Unit Rate, Proportions REVIEW

Date 2/18 Period _____**Answer each question and round your answer to the nearest whole number.**

- 1) Willie bought one package of blackberries for \$3. How many packages can Micaela buy if she has \$6?
- 2) One package of grape tomatoes costs \$3. How many packages of grape tomatoes can you buy for \$9?
- 3) Bill bought one bunch of seedless black grapes for \$2. How many bunches can Amanda buy if she has \$8?
- 4) If you can buy one honeydew melon for \$4, then how many can you buy with \$8?
- 5) An adult giraffe that is 16 ft tall casts a shadow that is 8 ft long. Find the length of the shadow that a 10 ft adult elephant casts.
- 6) Find the distance between Sun Valley and Georgetown if they are 8 in apart on a map with a scale of 1 in : 11 mi.

State if each pair of ratios forms a proportion.

7) $\frac{16}{8}$ and $\frac{4}{2}$

8) $\frac{4}{3}$ and $\frac{16}{12}$

9) $\frac{12}{8}$ and $\frac{3}{4}$

10) $\frac{2}{4}$ and $\frac{8}{16}$

Solve each proportion.

11) $\frac{4}{7} = \frac{x}{9}$

12) $\frac{5}{8} = \frac{p}{2}$

13) $\frac{5}{6} = \frac{7}{k}$

14) $\frac{6}{2} = \frac{7}{p}$

2 4 3 2 6

5 4 2 4 2.88

66 14 16 9.91 3 5.14

ANSWERS:

88 2.33 8.4 7 72 1.25

$$15) \frac{x}{3} = \frac{4}{2}$$

$$16) \frac{10}{5} = \frac{k}{8}$$

$$17) \frac{m}{7} = \frac{4}{2}$$

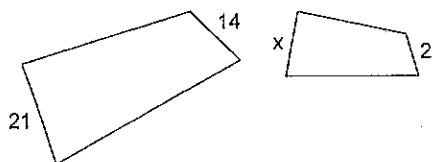
$$18) \frac{4}{x} = \frac{6}{3}$$

$$19) \frac{7.3}{x} = \frac{9.679}{3.83}$$

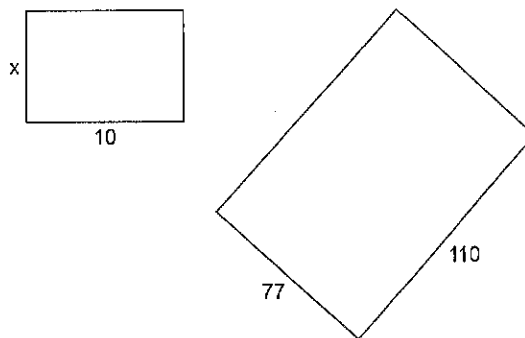
$$20) \frac{7.9}{5.5} = \frac{k}{6.9}$$

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

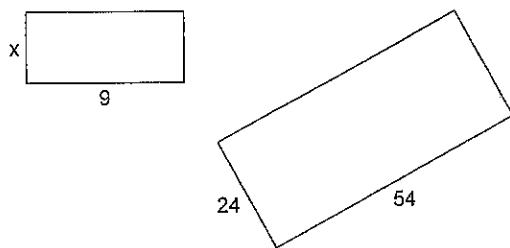
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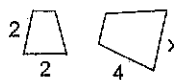
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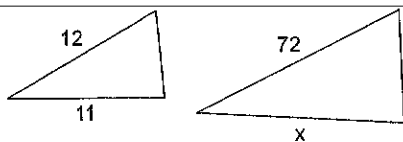
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24)



25)



26)

