

Name _____

Use Equivalent Ratios



COMMON CORE STANDARD—6.RP.3A

Understand ratio concepts and use ratio reasoning to solve problems.

Use equivalent ratios to find the unknown value.

1. $\frac{4}{10} = \frac{\square}{40}$

$$\begin{array}{r} 4 \times 4 \\ \hline 10 \times 4 \\ 16 \\ \hline 40 \end{array} = \frac{\square}{40}$$

$$\frac{16}{40} = \frac{\square}{40}$$

$$\square = 16$$

2. $\frac{3}{24} = \frac{33}{\square}$

3. $\frac{7}{\square} = \frac{21}{27}$

4. $\frac{\square}{9} = \frac{12}{54}$

5. $\frac{3}{2} = \frac{12}{\square}$

6. $\frac{4}{5} = \frac{\square}{40}$

7. $\frac{\square}{2} = \frac{45}{30}$

8. $\frac{8}{\square} = \frac{16}{18}$

9. $\frac{45}{\square} = \frac{5}{6}$

10. $\frac{\square}{18} = \frac{7}{3}$

11. $\frac{36}{50} = \frac{18}{\square}$

12. $\frac{32}{12} = \frac{\square}{3}$

Problem Solving



13. Honeybees produce 7 pounds of honey for every 1 pound of beeswax they produce. Use equivalent ratios to find how many pounds of honey are produced when 25 pounds of beeswax are produced.

14. A 3-ounce serving of tuna provides 21 grams of protein. Use equivalent ratios to find how many grams of protein are in 9 ounces of tuna.