

Name _____

Use Equivalent Ratios



COMMON CORE STANDARD—6.RP.A.3a
Understand ratio concepts and use ratio reasoning to solve problems.

Use equivalent ratios to find the unknown value.

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

$\frac{4 \times 4}{10 \times 4} = \frac{\square}{40}$

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

$\square = 16$

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

Problem Solving



9. 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.

10. 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.

11. **WRITE** *Math* Explain how using equivalent ratios is like adding fractions with unlike denominators.

