**Homework**

Name _____ Date _____

**Draw a model for each problem. Then solve.** Drawings will vary.

1. $4 \cdot \frac{1}{5} = \underline{\quad \frac{4}{5} \quad}$

2. $7 \cdot \frac{1}{3} = \underline{\quad \frac{7}{3} \text{ or } 2\frac{1}{3} \quad}$

3. $2 \cdot \frac{3}{8} = \underline{\quad \frac{6}{8} \quad}$

4. $5 \cdot \frac{3}{4} = \underline{\quad \frac{15}{4} \text{ or } 3\frac{3}{4} \quad}$

**Multiply.**

5. $12 \cdot \frac{5}{6} = \underline{\quad \frac{60}{6} \text{ or } 10 \quad}$

6. $9 \cdot \frac{1}{2} = \underline{\quad \frac{9}{2} \text{ or } 4\frac{1}{2} \quad}$

7. $25 \cdot \frac{3}{7} = \underline{\quad \frac{75}{7} \text{ or } 10\frac{5}{7} \quad}$

8. $12 \cdot \frac{4}{5} = \underline{\quad \frac{48}{5} \text{ or } 9\frac{3}{5} \quad}$

9. $5 \cdot \frac{2}{12} = \underline{\quad \frac{10}{12} \quad}$

10. $9 \cdot \frac{2}{3} = \underline{\quad \frac{18}{3} \text{ or } 6 \quad}$

**Write an equation. Then solve.**          *Show your work.*

11. Cal's shoe is $\frac{3}{4}$ foot long. He used his shoe to measure his bedroom and found that it was 15 shoes long. What is the length of Cal's room in feet?
$l = 15 \cdot \frac{3}{4}$; $\frac{45}{4}$ feet or $11\frac{1}{4}$ feet

12. The cafeteria at a summer camp gives each camper $\frac{2}{3}$ cup of juice for breakfast. This morning, 50 campers had juice for breakfast. How much juice did the cafeteria serve in all?
$j = 50 \cdot \frac{2}{3}$; $\frac{100}{3}$ cups or $33\frac{1}{3}$ cups