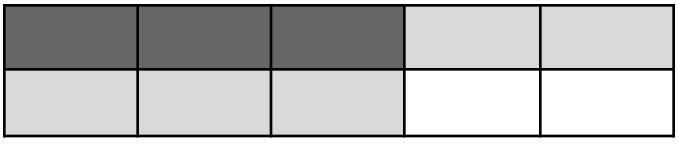
Multiplying Fractions Mixed Review

Solve the problems below using either an area model or the traditional algorithm. You must use each strategy at least once.

Problem	Traditional Algorithm	Area Model
1) $3\frac{1}{12} \times 1\frac{1}{2}$		
2) $4\frac{1}{3} \times 1\frac{2}{3}$		
3) $3\frac{1}{5} \times 1\frac{3}{8}$		

Modeling Fraction Multiplication

4) Draw a model for ⅗ x ⅝	5) Write an equation for the model below: _____ x _____ = _____ 

Multiplying Fractions

6a) Which of the following statements are **true**? Select **all** that apply.	6b) Explain **one** of your choices. How do you know that it's true?
A) $\frac{1}{7} \times \frac{5}{2}$ is greater than $\frac{1}{7}$ B) $\frac{1}{5} \times 2$ is less than $\frac{1}{5}$ C) $\frac{6}{7} \times \frac{1}{2}$ is less than $\frac{6}{7}$ D) $\frac{4}{4}$ x ⅜ is equal to ⅜ E) $\frac{5}{6} \times 3$ is greater than 3	

Show your work to multiply. Reduce before you multiply if it is possible.

7)	8)	9) Find $\frac{8}{7}$ of 49
$\frac{10}{3} \times \frac{2}{9} \times \frac{6}{5}$	$\frac{9}{10} \times \frac{2}{3}$	

10. Find the area of the models below:

6 feet 2 ¼ ft.  **Area** _____	5/8 inches 1/2 inch  **Area** _____