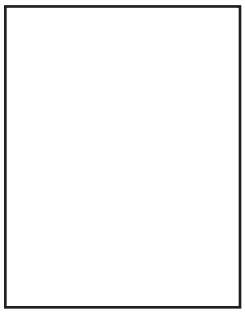
TRANSPARENCY MASTER for S200

Directions: Complete this page with your partner.

Area Model	Multiplication Problem
6. 	$\frac{1}{4} \bullet \frac{2}{3} =$
7. 	$\frac{4}{5} \bullet \frac{1}{3} =$

Look at Problem 6: $\frac{1}{4} \bullet \frac{2}{3}$. Work with a partner to figure out how you can solve this problem numerically without the pictures. Write your solution.

_____

_____

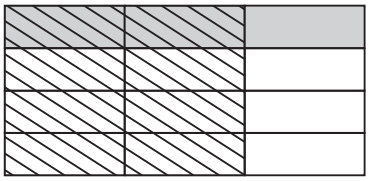
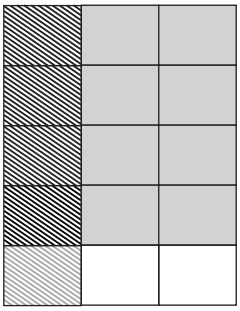
Will this solution work for Problem 7? _____

How would Problem 5 be solved numerically? _____

_____

Here is the key to **S200**.

Directions: Complete this page with your partner.

Area Model	Multiplication Problem
6. 	$\frac{1}{4} \bullet \frac{2}{3} = \mathbf{\frac{2}{12} = \frac{1}{6}}$
7. 	$\frac{4}{5} \bullet \frac{1}{3} = \mathbf{\frac{4}{15}}$

Look at Problem 6: $\frac{1}{4} \bullet \frac{2}{3}$. Work with a partner to figure out how you can solve this problem numerically without the pictures. Write your solution.

Answers will vary, but students should see they can multiply the numerators and then the denominators to solve the problem.

Will this solution work for Problem 7? **Yes**

How would Problem 5 be solved numerically? **Make a fraction with the whole number of 2 ($\frac{2}{1}$) and multiply by $\frac{1}{8}$. Multiply numerators and denominators and simplify.**