

Name: Class:

# Multiply 1

### Multiply 2 fractions using models

Use the model to find the product. (Do not simplify) Step 1 The model has 7 columns. Out of the 7 columns, 1 is shaded. The shaded columns defines the fraction : 1/2 Step 2 The model has 6 rows. Out of the 6 rows, 4 are shaded. The shaded rows defines the fraction :  $\frac{4}{6}$ Step 4 Step 3 - The part with overlaps covers 1 column and The model has 1 shaded column and 4 shaded rows. 4 rows. Therefore, there are 4 sections with So the product is the part overlap. - The whole model has 7 columns and 6 where the shaded colums rows. Therefore, there are and rows overlap.  $6 \times 7 = 42$  sections in total. Step 5 There are 4 sections with overlap out of 42 So,  $\frac{1}{7} \times \frac{4}{6} = \frac{4}{42}$ sections in total. Therefore, the product is: 42 Use the model below to find the product b. Use the model below to find the product a. So,  $\frac{2}{9} \times \frac{5}{7} =$ So,  $\frac{3}{5} \times \frac{1}{6} =$ 





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## Multiply 2 fractions using models



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e. Shade the models below, to solve the given product.

f. Shade the models below, to solve the given product.

$$\frac{4}{7} \times \frac{1}{5} = \frac{4}{35}$$
  $\frac{3}{5} \times \frac{1}{2} = \frac{3}{10}$ 

