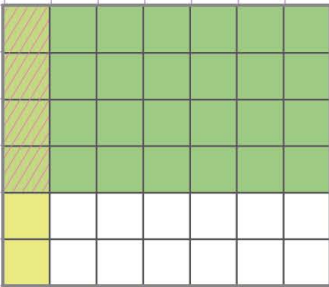


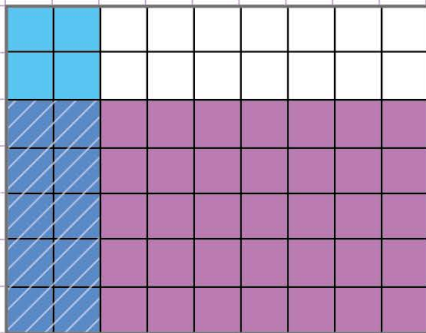
Name: Class:

Multiply 2 fractions using models

Use the model to find the product. (Do not simplify).

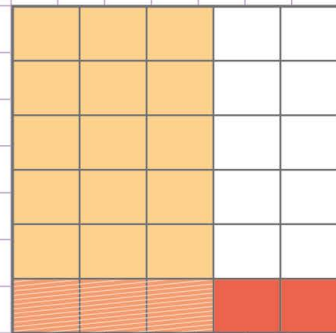


1. Use the model below to find the product.



So, $\frac{2}{5} \times \frac{5}{7} =$

2. Use the model below to find the product.

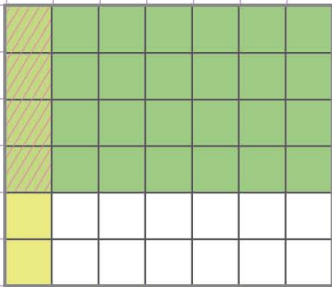


So, $\frac{3}{5} \times \frac{1}{3} =$

Name: Class:

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 : $\frac{1}{7}$

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 3

The model has 1 shaded column and 4 shaded rows. So the product is **the part where the shaded columns and rows overlap.**

Step 4

- The part with overlaps covers 1 column and 4 rows. Therefore, there are 4 sections with overlap.

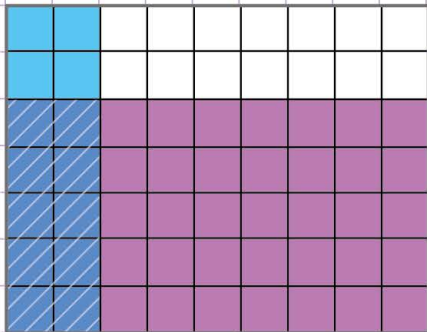
- The whole model has 7 columns and 6 rows. Therefore, there are $6 \times 7 = 42$ sections in total.

Step 5

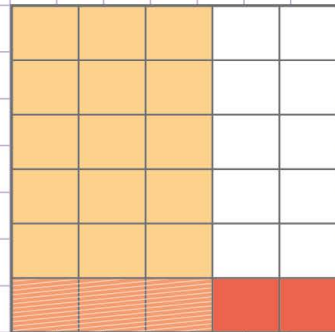
There are 4 sections with overlap out of 42 sections in total. Therefore, the product is : $\frac{4}{42}$

So, $\frac{1}{7} \times \frac{4}{6} = \frac{4}{42}$

1. Use the model below to find the product. 2. Use the model below to find the product.



So, $\frac{2}{9} \times \frac{5}{7} = \frac{10}{63}$



So, $\frac{3}{5} \times \frac{1}{6} = \frac{3}{30}$