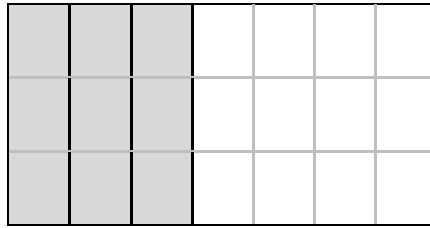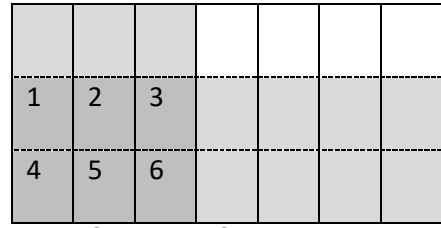Multiply the following fractions and produce a visual representation for each question. Connect the diagram to the standard logarithm.

Eg. $\dfrac{3}{7} \times \dfrac{2}{3}$

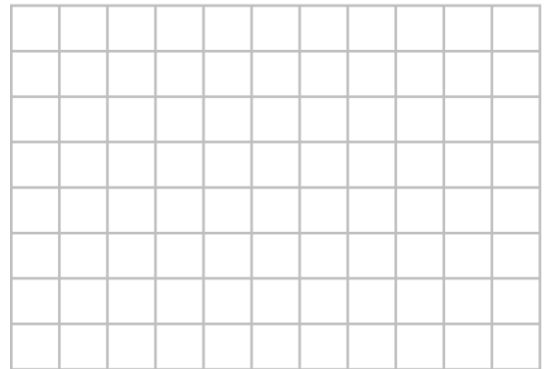Draw a grid with the dimension of the denominators 7 by 3
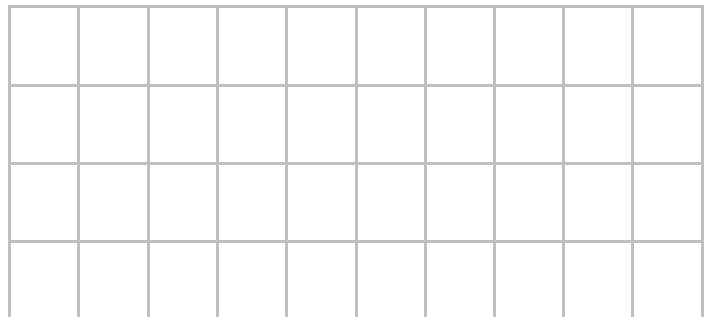
$shade\ \dfrac{3}{7}$

1	2	3
4	5	6

Shade $\dfrac{2}{3}$ Now the $\dfrac{3}{7}$ is divided into thirds and the whole is now divided into 21 parts (7 x 3). The darker shaded area is $\dfrac{2}{3}\ of\ \dfrac{3}{7} = \dfrac{6}{21}$ $\dfrac{2\times3}{3\times7} = \dfrac{6}{21}$
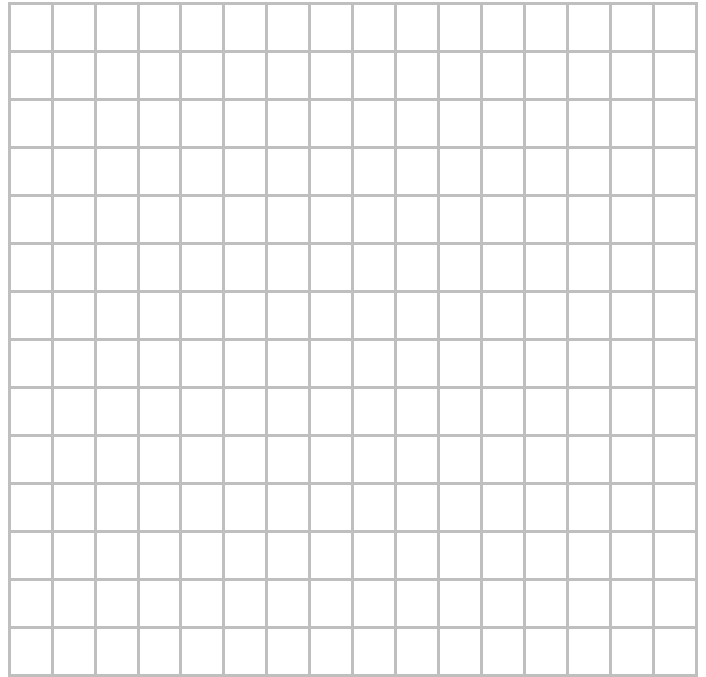
$\dfrac{2}{8} \times \dfrac{7}{11} =$

$\dfrac{7}{10} \times 4 =$

Note grid provided is not set up for question - it's your turn to create your own.

$2\dfrac{1}{3} \times \dfrac{2}{5} =$

$1\dfrac{5}{6} \times 1\dfrac{2}{3} =$