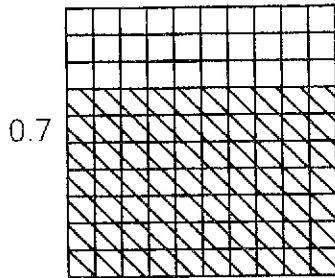


# Explore Multiplying Decimals by Decimals

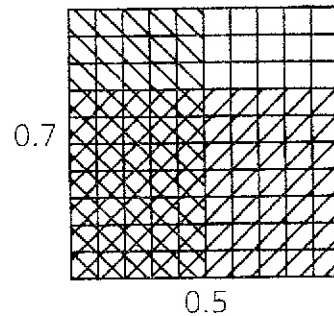
You can shade parts of a 10-by-10 grid to show the product of two decimals.

Multiply  $0.7 \times 0.5$ .

Shade one row for each tenth in the first factor.



Shade one row for each tenth in the second factor.



Count the total squares that are shaded twice.

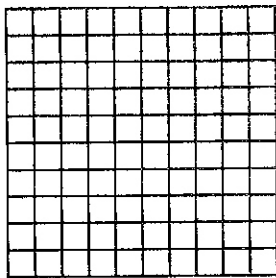
Thirty-five squares out of 100, or 0.35, are shaded twice. So,  $0.7 \times 0.5 = 0.35$ .

Shade 10-by-10 grids to multiply.

1.  $0.3 \times 0.7 =$  \_\_\_\_\_

Shade \_\_\_\_\_ columns.

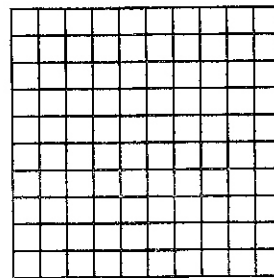
Shade \_\_\_\_\_ rows.



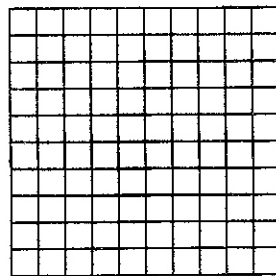
2.  $0.6 \times 0.4 =$  \_\_\_\_\_

Shade \_\_\_\_\_ columns.

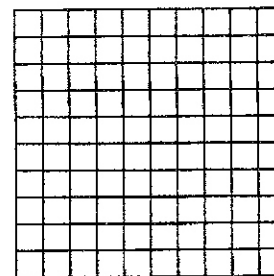
Shade \_\_\_\_\_ rows.



3.  $0.4 \times 0.9 =$  \_\_\_\_\_



4.  $0.8 \times 0.6 =$  \_\_\_\_\_



5.  $0.5 \times 0.4 =$  \_\_\_\_\_

6.  $0.9 \times 0.1 =$  \_\_\_\_\_

7.  $0.7 \times 0.2 =$  \_\_\_\_\_

8.  $0.7 \times 0.9 =$  \_\_\_\_\_