For those who CANNOT access Digits and have talked to me about it, you can access the homework problems here.

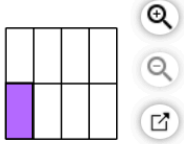
You can either "Make a Copy" of this document and type your answers below the question OR do your homework on paper and turn it in to me by the due date.

1.

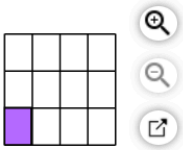
Draw an area model for the product $\frac{1}{2} \times \frac{1}{4}$. Use the model to help you find the product.

Which area model shows $\frac{1}{2} \times \frac{1}{4}$?

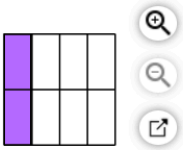
○ A.



○ B.

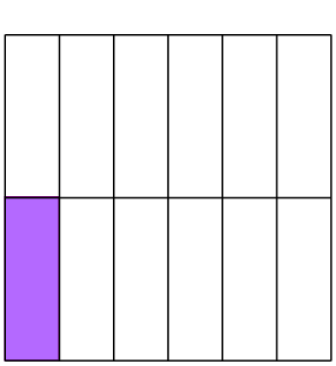


○ C.



2.

The large square represents 1 whole. Which multiplication equation matches this area model?



Choose the correct answer below.

○ A. $\frac{1}{2} \times \frac{1}{6} = \frac{1}{12}$

○ B. $\frac{1}{6} \times \frac{1}{12} = \frac{1}{2}$

○ C. $\frac{1}{2} \times \frac{1}{6} = \frac{1}{4}$

○ D. $\frac{1}{6} \times \frac{1}{6} = \frac{1}{36}$

3.

Which pair of factors has the product $\frac{3}{20}$?

$\frac{3}{5} \times \frac{1}{5}$ $\frac{1}{4} \times \frac{3}{5}$ $\frac{3}{4} \times \frac{1}{5}$ $\frac{1}{4} \times \frac{3}{4}$

.....

Select each pair of factors that has the product $\frac{3}{20}$.

- ☐ A. $\frac{3}{5} \times \frac{1}{5}$
- ☐ B. $\frac{1}{4} \times \frac{3}{5}$
- ☐ C. $\frac{3}{4} \times \frac{1}{5}$
- ☐ D. $\frac{1}{4} \times \frac{3}{4}$

4.

Multiply. Write the product in simplest form.

$$\frac{5}{6} \cdot \frac{5}{11}$$

$\frac{5}{6} \cdot \frac{5}{11} = \square$

5.

Error Analysis Your friend incorrectly said that $\frac{3}{5} \times \frac{1}{2} = \frac{4}{7}$. What is the correct product? What error did your friend most likely make?

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Find the product of the fractions.

$\frac{3}{5} \times \frac{1}{2} = \square$ (Type a whole number or a simplified fraction.)