1. Draw a model or tape diagram to solve. Use the thought bubble to show your thinking. Write your quotient in the blank. Use the example to help you.

Example: \( \frac{1}{2} \div 3 \)

\[
\begin{align*}
\frac{1}{2} \div 3 &= \frac{1}{6} \\
\frac{1}{2} \div 3 &= \frac{1}{6}
\end{align*}
\]

a. \( \frac{1}{3} \div 2 = \frac{1}{6} \)

b. \( \frac{1}{3} \div 4 = \frac{1}{12} \)
2. Divide. Then, multiply to check.

<table>
<thead>
<tr>
<th>a. $\frac{1}{2} \div 7 = \frac{1}{14}$</th>
<th>b. $\frac{1}{3} \div 6 = \frac{1}{18}$</th>
<th>c. $\frac{1}{4} \div 5 = \frac{1}{20}$</th>
<th>d. $\frac{1}{5} + 4 = \frac{1}{20}$</th>
</tr>
</thead>
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<td>$\frac{1}{2} \div 7 = \frac{1}{2} \times \frac{1}{7} = \frac{1}{14}$</td>
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<th>e. $\frac{1}{5} \div 2 = \frac{1}{10}$</th>
<th>f. $\frac{1}{6} \div 3 = \frac{1}{18}$</th>
<th>g. $\frac{1}{9} \div 2 = \frac{1}{18}$</th>
<th>h. $\frac{1}{10} \div 10 = \frac{1}{100}$</th>
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3. Tasha eats half her snack and gives the other half to her two best friends for them to share equally. What portion of the whole snack does each friend get? Draw a picture to support your response.

Each friend gets \( \frac{1}{4} \) of the snack.

\[
\frac{1}{2} \text{ of } \frac{1}{2} = \frac{1}{4}
\]

4. Mrs. Appler used \( \frac{1}{2} \) gallon of olive oil to make 8 identical batches of salad dressing.

a. How many gallons of olive oil did she use in each batch of salad dressing?

\[
\frac{1}{2} \div 8 = \frac{1}{2} \times \frac{1}{8} = \frac{1}{16} \text{ gallon of olive oil is used in each batch.}
\]

b. How many cups of olive oil did she use in each batch of salad dressing?

\[
1 \text{ gallon} = 16 \text{ cups} \quad 1 \text{ cup of olive oil is used in each batch.}
\]

5. Mariano delivers newspapers. He always puts \( \frac{3}{4} \) of his weekly earnings in his savings account, and then divides the rest equally into 3 piggy banks for spending at the snack shop, the arcade, and the subway.

a. What fraction of his earnings does Mariano put into each piggy bank?

Each piggy bank gets \( \frac{1}{12} \) of his earnings.

b. If Mariano adds $2.40 to each piggy bank every week, how much does Mariano earn per week delivering papers?

He earns $28.80 each week.