3-11 Homework

Name _____ Date _____

1. Consider the division problem $\frac{1}{2} \div 3$.

   Describe a situation this division could represent.

   _____

   _____

   Draw a diagram to represent the division. Then find the solution.

Write an equation. Then solve. *Show your work.*

2. A rectangle has an area of 12 square feet and a length of 5 feet. What is its width?

   _____

3. A tortoise must walk $\frac{1}{12}$ mile to visit a friend. He plans to break the journey into four equal parts with breaks in between. How long will each part of his journey be?

   _____

4. Harry worked 7 hours last week. This is $\frac{1}{3}$ as many hours as Aidan worked. How many hours did Aidan work?

   _____

5. Lin is a camp counselor. She is making small bags of trail mix for campers to take on a hike. She has 2 pounds of raisins and is putting $\frac{1}{8}$ pound in each bag. How many bags can she fill before she runs out of raisins?

   _____

6. Mr. Ramirez bought $\frac{1}{4}$ pounds of cashews. He divided the cashews equally among his three children. How much did each child get?

   _____

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3-11 Remembering

Name _____ Date _____

Add or subtract.

❶ $1\frac{1}{8} + 4\frac{2}{3}$

❷ $6\frac{1}{4} - 4\frac{5}{6}$

❸ $9\frac{1}{3} + 7\frac{8}{9}$

❹ $5\frac{2}{7} + 5\frac{11}{14}$

❺ $4 - 2\frac{2}{5}$

❻ $6\frac{5}{8} + 3\frac{1}{2}$

Predict whether the product will be greater than, less than, or equal to the second factor. Then compute the product.

❼ $\frac{5}{5} \cdot 9 = x$
Predict: x ◯ 9
Compute: $x =$ _____

❽ $\frac{7}{8} \cdot 9 = x$
Predict: x ◯ 9
Compute: $x =$ _____

❾ $1\frac{3}{5} \cdot 9 = x$
Predict: x ◯ 9
Compute: $x =$ _____

❿ $1\frac{1}{2} \cdot \frac{4}{5} = x$
Predict: x ◯ $\frac{4}{5}$
Compute: $x =$ _____

⓫ $\frac{6}{6} \cdot \frac{4}{5} = x$
Predict: x ◯ $\frac{4}{5}$
Compute: $x =$ _____

⓬ $\frac{2}{5} \cdot \frac{4}{5} = x$
Predict: x ◯ $\frac{4}{5}$
Compute: $x =$ _____

Divide.

⓭ $6 \div \frac{1}{4} =$ _____

⓮ $2 \div 3 =$ _____

⓯ $10 \div 3 =$ _____

⓰ $200 \div \frac{1}{4} =$ _____

⓱ $\frac{1}{4} \div 8 =$ _____

⓲ $\frac{1}{7} \div 6 =$ _____

⓳ **Stretch Your Thinking** Harrison is playing a board game that has a path of 100 spaces. After his first turn, he is $\frac{1}{5}$ of the way along the spaces. On his second turn, he moves $\frac{1}{4}$ fewer spaces than he moved on his first turn. On his third turn, he moves $1\frac{1}{4}$ times as many spaces than he moved on his first turn. What space is he on after three turns?

_____

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