1. Create and solve a division story problem about 7 feet of rope that is modeled by the tape diagram below.

\[ 7 \div \frac{1}{2} = 7 \times 2 = 14 \]

He will have 14 halves.

David bought a new fishing rope that is 7 feet long. He needed to cut each rope in half. How many halves does he have?

2. Create and solve a story problem about \( \frac{1}{3} \) pound of flour that is modeled by the tape diagram below.

\[ \frac{1}{3} \div 3 = \frac{1}{3} \times \frac{1}{3} = \frac{1}{9} \]

Cindy bought \( \frac{1}{3} \) lb of flour. She divided it into thirds for muffins. How many pounds does one batch of muffins take?

One batch takes \( \frac{1}{9} \) lb of flour.
3. Draw a tape diagram and create a word problem for the following expressions. Then, solve and check.

a. \[ 2 \div \frac{1}{4} = 2 \times 4 = 8 \]
   She will have 8 slices.

Laura bought 2 apples. She cut each apple into fourths. How many slices will she have to share?

b. \[ \frac{1}{4} \div 2 = \frac{1}{4} \times \frac{1}{2} = \frac{1}{8} \]

Jan had \( \frac{1}{4} \) of the spaghetti left. Tonight, she shared it with Suzan. How much of the spaghetti did each get? They each got \( \frac{1}{8} \) of the spaghetti.

c. \[ \frac{1}{3} \div 5 = \frac{1}{3} \times \frac{1}{5} = \frac{1}{15} \]

Sam has \( \frac{1}{3} \) gal of water. He divided it into 5 bottles. How many gallons are in each bottle? Each bottle has \( \frac{1}{15} \) gal of water.

d. \[ 3 \div \frac{1}{10} = 3 \times 10 = 30 \]

Rhonda bought 3 pizzas that were cut into tenths. How many slices does she have to share?

She has 30 slices to share.