Divide and check the quotient.

1. \[
\begin{array}{c|c|c}
 & 1 & 1 \\
1/3 & 1/3 & 1/3 & 1/3 & 1/3 & 1/3 \\
\end{array}
\]

\[2 \div \frac{1}{3} = 6 \text{ because } 6 \times \frac{1}{3} = 2.\]

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

3. \[\frac{1}{4} \div 2 = \frac{1}{8} \text{ because } \frac{1}{8} \times 2 = \frac{1}{4}.\]

Divide. Draw a number line or use fraction strips.

4. \[1 \div \frac{1}{5} = \frac{5}{1}\]

5. \[\frac{1}{6} \div 3 = \frac{1}{18}\]

6. \[4 \div \frac{1}{6} = 24\]

7. \[3 \div \frac{1}{3} = 9\]

8. \[\frac{1}{4} \div 6 = \frac{1}{24}\]

9. \[5 \div \frac{1}{4} = 20\]

10. Amy can run \(\frac{1}{10}\) mile per minute. How many minutes will it take Amy to run 3 miles?

11. Jeremy has 3 yards of ribbon to use for wrapping gifts. He cuts the ribbon into pieces that are \(\frac{1}{4}\) yard long. How many pieces of ribbon does Jeremy have?

12. Explain how you could use a model to find the quotient \(4 \div \frac{1}{3}\).
Lesson Check (5.NF.B.7a, 5.NF.B.7b)

1. Kaley cuts half of a loaf of bread into 4 equal parts. What fraction of the whole loaf does each of the 4 parts represent?

2. When you divide a fraction less than 1 by a whole number greater than 1, is the quotient less than, greater than, or equal to the dividend?

Spiral Review (5.NF.A.1, 5.NF.B.4a, 5.NF.B.6)

3. A recipe for chicken and rice calls for $3\frac{1}{2}$ pounds of chicken. Lisa wants to adjust the recipe so that it yields $1\frac{1}{2}$ times as much chicken and rice. How much chicken will she need?

4. Tim and Sue share a small pizza. Tim eats $\frac{2}{3}$ of the pizza. Sue eats half as much of the pizza as Tim does. What fraction of the pizza does Sue eat?

5. In gym class, you run $\frac{3}{5}$ mile. Your coach runs 10 times that distance each day. How far does your coach run each day?

6. Sterling plants a tree that is $4\frac{3}{4}$ feet tall. One year later, the tree is $5\frac{2}{5}$ feet tall. How many feet did the tree grow?