Lesson 7.4

Multiply Fractions

Find the product.

1. \(\frac{1}{4} \times \frac{2}{3} = \frac{2}{12}, \text{ or } \frac{1}{6}\)

2. \(\frac{2}{3} \times \frac{5}{6} = \frac{2}{6}, \text{ or } \frac{1}{3}\)

Find the product. Draw a model. Check students’ models.

3. \(\frac{4}{5} \times \frac{1}{2} = \frac{4}{10}, \text{ or } \frac{2}{5}\)

4. \(\frac{3}{4} \times \frac{1}{3} = \frac{3}{12}, \text{ or } \frac{1}{4}\)

5. \(\frac{3}{8} \times \frac{2}{3} = \frac{6}{24}, \text{ or } \frac{1}{4}\)

6. \(\frac{4}{5} \times \frac{3}{5} = \frac{9}{25}\)

Problem Solving

7. Nora has a piece of ribbon that is \(\frac{3}{4}\) yard long. She will use \(\frac{1}{3}\) of it to make a bow. What length of the ribbon will she use for the bow?

\(\frac{3}{8}\) yard

8. Marlon bought \(\frac{7}{12}\) pound of turkey at the deli. He used \(\frac{2}{3}\) of it to make sandwiches for lunch. How much of the turkey did Marlon use for sandwiches?

\(\frac{7}{12}\) pound
Lesson Check (CC.5.NF.4b)

1. Tina has \( \frac{3}{5} \) pound of rice. She will use \( \frac{2}{3} \) of it to make fried rice for her family. How much rice will Tina use to make fried rice?
   - A. \( \frac{5}{9} \) pound
   - B. \( \frac{3}{4} \) pound
   - C. \( \frac{2}{3} \) pound
   - D. \( \frac{1}{3} \) pound

2. The Waterfall Trail is \( \frac{3}{4} \) mile long. At \( \frac{1}{6} \) of the distance from the trailhead, there is a lookout. In miles, how far is the lookout from the trailhead?
   - A. \( \frac{1}{8} \) mile
   - B. \( \frac{1}{4} \) mile
   - C. \( \frac{4}{10} \) mile
   - D. \( \frac{24}{3} \) miles

Spiral Review (CC.5.OA.1, CC.5.NF.1, CC.5.NF.2, CC.5.NF.4a)

3. Hayden bought 48 new trading cards. Three-fourths of the new cards are baseball cards. How many baseball cards did Hayden buy? (Lesson 7.1)
   - A. 12
   - B. 16
   - C. 24
   - D. 36

4. Yesterday, Annie walked \( \frac{9}{10} \) mile to her friend’s house. Together, they walked \( \frac{1}{3} \) mile to the library. Which is the best estimate for how far Annie walked yesterday? (Lesson 6.3)
   - A. about \( \frac{1}{2} \) mile
   - B. about 1 mile
   - C. about \( 1\frac{1}{2} \) miles
   - D. about 2 miles

5. Erin is going to sew a jacket and a skirt. She needs \( 2\frac{3}{4} \) yards of material for the jacket and \( 1\frac{1}{4} \) yards of material for the skirt. Altogether, how many yards of material does Erin need? (Lesson 6.6)
   - A. 2\( \frac{3}{8} \) yards
   - B. 3\( \frac{1}{4} \) yards
   - C. 3\( \frac{7}{8} \) yards
   - D. 4\( \frac{1}{4} \) yards

6. Which of the following expressions simplifies to \( 4 \)? (Lesson 1.12)
   - A. \([ (3 \times 6) - (5 \times 2)] + 7\)
   - B. \([ (3 \times 6) + (5 \times 2)] - 7\)
   - C. \([ (3 \times 6) + (5 + 2)] - 7\)
   - D. \([ (3 \times 6) - (5 \times 2)] \times 7\)