Multiply Fractions

Find the product.

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

\[ \frac{2}{3} \times \frac{5}{6} = \]__

Find the product. Draw a model.

3. \( \frac{4}{5} \times \frac{1}{2} = \) __________

4. \( \frac{3}{4} \times \frac{1}{3} = \) __________

5. \( \frac{3}{8} \times \frac{2}{3} = \) __________

6. \( \frac{3}{5} \times \frac{2}{3} = \) __________

Problem Solving REAL WORLD

7. Nora has a piece of ribbon that is \( \frac{3}{4} \) yard long. She will use \( \frac{1}{2} \) of it to make a bow. What length of the ribbon will she use for the bow?

8. Marlon bought \( \frac{2}{3} \) 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?
Lesson Check (CC.5.NF.4b)

1. Tina has $\frac{3}{2}$ 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 $\frac{3}{5}$ 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 $1\frac{1}{2}$ 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 $[(3 \times 6) - (5 \times 2)] \times 7$