Chapter 7 Extra Practice

Lesson 7.1
Use a model to solve.

1. \(\frac{2}{3} \times 10 = \) ______  
2. \(\frac{1}{4} \times 24 = \) ______  
3. \(\frac{3}{7} \times 28 = \) ______  

4. \(\frac{4}{9} \times 18 = \) ______  
5. \(\frac{2}{3} \times 21 = \) ______  
6. \(\frac{4}{11} \times 22 = \) ______  

Lessons 7.2 - 7.4, 7.6
Find the product. Write the product in simplest form.

1. \(\frac{3}{7} \times 9 = \) ______  
2. \(8 \times \frac{1}{5} = \) ______  
3. \(\frac{4}{9} \times 11 = \) ______  
4. \(2 \times \frac{2}{5} = \) ______  

5. \(\frac{3}{4} \times 5 = \) ______  
6. \(3 \times \frac{6}{8} = \) ______  
7. \(\frac{1}{3} \times \frac{4}{5} = \) ______  
8. \(\frac{2}{7} \times \frac{3}{6} = \) ______  

9. \(\frac{4}{9} \times \frac{1}{3} = \) ______  
10. \(3 \times \frac{1}{9} = \) ______  
11. \(\frac{5}{7} \times \frac{5}{9} = \) ______  
12. \(\frac{1}{8} \times \frac{2}{4} = \) ______  

13. At the aquarium, \(\frac{3}{4}\) of the animals are fish. Of the fish, \(\frac{1}{3}\) are clown fish. What fraction of the animals at the aquarium are clown fish?  
14. Four hamburgers each contain \(\frac{1}{5}\) pound of beef. Altogether, how much beef do the hamburgers contain?
Lessons 7.5, 7.8

Complete the statement with equal to, greater than, or less than.

1. \(\frac{3}{5} \times \frac{4}{9}\) will be ________________ than \(\frac{4}{9}\).  
2. \(6 \times \frac{3}{2}\) will be ________________ than \(\frac{5}{7}\).

3. \(\frac{3}{3} \times 5\frac{1}{9}\) will be ________________ than \(5\frac{1}{9}\).  
4. \(7 \times 2\frac{5}{9}\) will be ________________ than \(2\frac{5}{9}\).

Lesson 7.9

Find the product. Write the product in simplest form.

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

5. \(2\frac{3}{5} \times 3\frac{1}{8}\)  
6. \(5 \times 3\frac{1}{3}\)  
7. \(2\frac{3}{5} \times 9\frac{1}{2}\)  
8. \(1\frac{1}{4} \times 8\frac{2}{3}\)

Use the Distributive Property to find the product.

9. \(15 \times 3\frac{1}{5}\)  
10. \(2\frac{3}{7} \times 21\)

Lesson 7.10

1. Gabriella wants to tile a room with an area of 320 square feet. The width of the room is \(\frac{4}{5}\) its length. What are the length and width of the room?

2. Akio wants to make a scale drawing that is \(\frac{1}{5}\) the size of an original painting. A ship in the original painting is 14 inches long. How long will the ship in Akio’s drawing be?