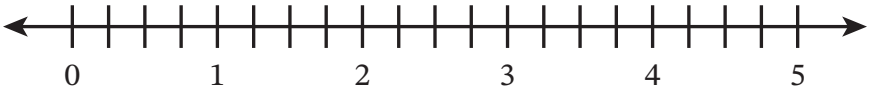
4

Name _____ Date _____

Use the number line to represent the multiplication. Then write a repeated addition sentence to find the product.

1. $\frac{1}{4} \times 5$



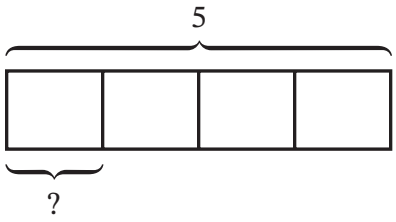
_____ = _____

2. $\frac{2}{3} \times 4$

_____ = _____

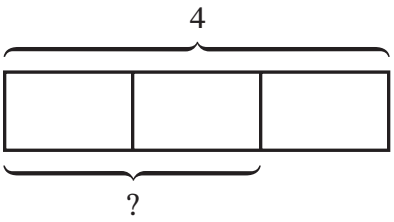
Use the tape diagram to complete the statement. Then find the product.

3. $\frac{1}{4} \times 5$ is _____ part when 5 is partitioned into _____ equal parts.



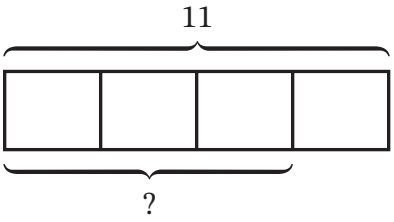
$\frac{1}{4} \times 5 =$ _____ $\times \frac{5}{\square} = \frac{\square \times 5}{\square} =$ _____

4. $\frac{2}{3} \times 4$ is _____ parts when 4 is partitioned into _____ equal parts.



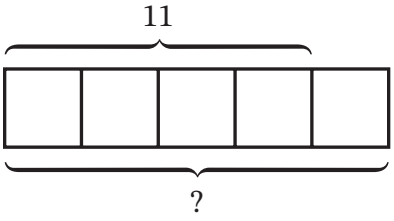
$\frac{2}{3} \times 4 =$ _____ $\times \frac{4}{\square} = \frac{\square \times 4}{\square} =$ _____

5. $\frac{3}{4} \times 11$ is _____ parts when 11 is partitioned into _____ equal parts.



$\frac{3}{4} \times 11 =$ _____ $\times \frac{11}{\square} = \frac{\square \times 11}{\square} =$ _____

6. $\frac{5}{4} \times 11$ is _____ parts when _____ is partitioned into _____ equal parts.



$\frac{5}{4} \times 11 =$ _____ $\times$ _____ $= \frac{\square \times 11}{\square} =$ _____

Complete the statement. Then find the product.

7. $\frac{7}{5} \times 12$ is _____ parts when _____ is partitioned into _____ equal parts.

$\frac{7}{5} \times 12 =$ _____ $\times$ _____ $= \frac{\square \times \square}{\square} =$ _____

8. $\frac{9}{7} \times 10$ is _____ parts when _____ is partitioned into _____ equal parts.

$\frac{9}{7} \times 10 =$ _____ $\times$ _____ $=$ _____ $=$ _____

Multiply.

9. $\frac{1}{11} \times 8 =$ _____

10. $\frac{3}{8} \times 9 =$ _____

11. $\frac{3}{5} \times 7 =$ _____

12. $\frac{5}{3} \times 6 =$ _____

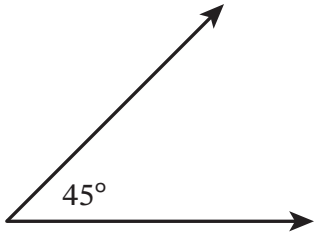
13. $\frac{7}{5} \times 8 =$ _____

14. $\frac{10}{6} \times 19 =$ _____

15. $\frac{2}{3}$ of a number is 24. What is the number? Show your work.

16. Sana drew the angle shown. Riley draws an angle that is $\frac{11}{5}$ the measure of Sana's angle.

    a. Is the measure of Riley's angle greater than or less than the measure of Sana's angle? How do you know?



    b. What is the measure of Riley's angle?

Use the Read–Draw–Write process to solve each problem.

17. Mr. Evans makes 10 pints of salsa. $\frac{3}{4}$ of the pints of salsa are spicy. How many pints of the salsa are spicy?

18. Lisa breaks $\frac{2}{5}$ of her colored pencils while she works on an art project. She breaks 20 of the pencils. How many colored pencils did Lisa have when she started?