

# Scaling and Multiplication with Fractions

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5th Grade Math Practice

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each problem. Show your work when needed.

1.  $3/4 \times 8 = \underline{\hspace{2cm}}$

2.  $2/5 \times 25 = \underline{\hspace{2cm}}$

3. If Sarah has  $3/4$  of a cake and she eats  $1/2$  of it, how much cake does she have left?

\_\_\_\_\_

4. A recipe requires  $2/3$  of a cup of sugar. If you want to make half the recipe, how much sugar do you need?

\_\_\_\_\_

5.  $5/6 \times 12 = \underline{\hspace{2cm}}$

6. Circle the smaller number:  $1/3$ :

2    or     2

7. What number comes next?  $1/4, 1/2, 3/4, \underline{\hspace{2cm}}$

8. Multiplying by a fraction less than 1 makes the number larger. (True/False)

True     False

9. Emma has  $5/8$  of a yard of fabric. She uses  $1/4$  of it for a pillow. How much fabric does she have left?

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10.  $1/3 \times 9 = \underline{\hspace{2cm}}$

11. If a car travels  $1/2$  of a mile every minute, how far will it travel in 3 minutes?

\_\_\_\_\_

12. Which is greater:  $3/5$ ?:

4    or     2

13.  $4 \times 2/3 = \underline{\hspace{2cm}}$

14. A bottle holds  $2/5$  of a gallon. If you fill it with 3 bottles, how much total liquid is there?

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15.  $7 \times 1/2 = \underline{\hspace{2cm}}$

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**Answer Key**

1. 6   2. 10   3.  $\frac{3}{8}$    4.  $\frac{1}{3}$    5. 10   6.  $\frac{1}{2}$    7. 1   8. False   9.  $\frac{3}{8}$    10. 3   11.  $1\frac{1}{2}$    12.  $\frac{3}{4}$    13.  $\frac{8}{3}$    14.  $\frac{6}{5}$  or  $1\frac{1}{5}$  gallons   15. 3.5

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