

MY Homework**Lesson 9****Multiply Fractions by Whole Numbers****Homework Helper**Need help? connectED.mcgraw-hill.com

Ms. Randall reads $\frac{1}{10}$ of a book to her class each day.

What fraction of the book has Ms. Randall read to the class after 5 days? Find $5 \times \frac{1}{10}$.

Use repeated addition to write an equation.

$$\begin{aligned}
 5 \times \frac{1}{10} &= \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} \\
 &= \frac{5}{10} && \text{Add like fractions.} \\
 &= \frac{1}{2} && \text{Simplify.}
 \end{aligned}$$

So, Ms. Randall has read $\frac{1}{2}$ of the book after 5 days.

Practice

Multiply.

1. $3 \times \frac{2}{5} =$ _____

2. $7 \times \frac{3}{4} =$ _____

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

4. $2 \times \frac{8}{10} =$ _____

5. $8 \times \frac{3}{10} =$ _____

6. $6 \times \frac{5}{8} =$ _____

Find each product. Identify the two whole numbers between which the product lies.

7. $5 \times \frac{7}{10} =$ _____

The product lies between _____ and _____.

8. $7 \times \frac{8}{10} =$ _____

The product lies between _____ and _____.

9. $3 \times \frac{3}{4} =$ _____

The product lies between _____ and _____.

10. $6 \times \frac{4}{5} =$ _____

The product lies between _____ and _____.



Problem Solving

11. **Mathematical PRACTICE** **Use Number Sense** Calvin's rug covers $\frac{1}{8}$ of the floor space in his bedroom. How much floor space would be covered if Calvin had 4 rugs of that size? Write in simplest form.
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12. Amy uses $\frac{2}{3}$ of a yard of fabric for each pillow she makes. How many yards of fabric will she need in order to make 8 pillows? Write in simplest form.
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Test Practice

13. Sheila eats $\frac{3}{4}$ of a bag of baby carrots each week. How many bags of baby carrots does she eat in 6 weeks? Write in simplest form.
- (A) $4\frac{1}{2}$ bags
- (B) 3 bags
- (C) $2\frac{1}{4}$ bags
- (D) $1\frac{1}{2}$ bags