

Lesson 6 Homework Practice

Multiply Fractions

Step 1: Create improper fractions if given a mixed number.

Step 2: Multiply the numerators(top) of both fractions.

Step 3: Multiply the denominators(bottom) of both fractions.

Step 4: Simplify and reduce if necessary.

Multiply. Write in simplest form.

1. $\frac{1}{7} \times \frac{7}{9}$

2. $-\frac{6}{11} \times \left(-\frac{1}{6}\right)$

3. $3\frac{1}{5} \times \frac{3}{8}$

4. $\frac{2}{3} \times \left(-4\frac{1}{3}\right)$

5. $8 \times 3\frac{3}{8}$

6. $10 \times 1\frac{1}{15}$

For Exercise 7, use measurement conversions.

Find $\frac{1}{60}$ of $\frac{1}{60}$ of an hour. What did you just find? Describe what your answer means.

For Exercise 8, evaluate the verbal expression.

8. one fourth of two thirds

9. **GASOLINE** Jamal filled his gas tank and then used $\frac{7}{16}$ of the tank for traveling to visit his grandfather. He then used $\frac{1}{3}$ of the remaining gas in the tank to run errands around town. What fraction of the tank is filled with gasoline?

10. **HIKING** A hiker averages $6\frac{3}{8}$ kilometers per hour. If he hikes for $5\frac{1}{3}$ hours, how many kilometers does he hike?