

Homework

Complete each fraction box.

1.

$\frac{7}{8}$ and $\frac{3}{4}$	
>	$\frac{7}{8} > \frac{3}{4}$ or $\frac{7}{8} > \frac{6}{8}$
+	
-	
.	

2.

$\frac{1}{2}$ and $\frac{3}{5}$	
>	
+	
-	
.	

Solve.

Show your work.

3. The Eagle Trucking Company must deliver $\frac{7}{8}$ ton of cement blocks and $\frac{5}{8}$ ton of bricks to one place. How much will this load weigh?

4. A truck carried $3\frac{1}{3}$ tons of sand, but lost $\frac{1}{4}$ ton along the way. How many tons of sand were delivered?

5. The trucking company also needs to deliver $1\frac{2}{3}$ tons of oak logs and $1\frac{7}{12}$ tons of maple logs. Which load weighs more?

6. In a load of $\frac{3}{4}$ ton of steel rods, $\frac{1}{8}$ of them are bent. How many tons of steel rods are bent?

7. The company delivered $1\frac{3}{5}$ tons of bricks to one building site. They delivered $2\frac{1}{2}$ times this much to a second site. What was the weight of the load the company delivered to the second site?

Remembering

Multiply.

$$\begin{array}{r} 1. \quad 2,548 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 21 \\ \times 45 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 3,015 \\ \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 33 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 65 \\ \times 87 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 215 \\ \times 9 \\ \hline \end{array}$$

Find each product by first rewriting each mixed number as a fraction.

$$7. \quad 4\frac{4}{9} \cdot 2\frac{2}{3} = \underline{\hspace{2cm}}$$

$$8. \quad 6\frac{1}{5} \cdot 10 = \underline{\hspace{2cm}}$$

$$9. \quad 3\frac{5}{6} \cdot \frac{12}{13} = \underline{\hspace{2cm}}$$

$$10. \quad 5\frac{1}{3} \cdot \frac{3}{5} = \underline{\hspace{2cm}}$$

Solve.

$$11. \quad \frac{6}{7} - \frac{2}{7}$$

$$12. \quad \frac{4}{9} + \frac{2}{3}$$

$$13. \quad \frac{2}{3} \cdot \frac{9}{10}$$

$$14. \quad \frac{3}{5} \cdot \frac{5}{8}$$

$$15. \quad 8 - \frac{1}{7}$$

$$16. \quad \frac{1}{6} + \frac{3}{8}$$

17. **Stretch Your Thinking** Write and solve a word problem that requires multiplying two mixed numbers.
