Multiply a Mixed Number by a Whole Number

Name _____

Review

You can use decomposition and the Distributive Property to multiply a mixed number by a whole number.

$3 \times 2\frac{5}{6} = ?$

$3 \times 2\frac{5}{6} = 3 \times (2 + \frac{5}{6})$

$\qquad = (3 \times 2) + (3 \times \frac{5}{6})$

$\qquad = 6 + \frac{15}{6}$

$\qquad = 6\frac{15}{6}$

$\qquad = 8\frac{3}{6}$

What are the missing values that complete the equation?

1. $4 \times 2\frac{3}{10} = 4 \times (2 + \frac{\square}{\square})$

$\qquad = (4 \times 2) + (4 \times \frac{\square}{\square})$

$\qquad = 8 + \frac{\square}{\square}$

$\qquad = 8\frac{\square}{\square}$

$\qquad = 9\frac{\square}{\square}$

2. $2 \times 3\frac{5}{6} = 2 \times (3 + \frac{\square}{\square})$

$\qquad = (2 \times 3) + (2 \times \frac{\square}{\square})$

$\qquad = 6 + \frac{\square}{\square}$

$\qquad = 6\frac{\square}{\square}$

$\qquad = 7\frac{\square}{\square}$

LIVEWORKSHEETS