

1/12/10

Objective:

TSWBAT estimate products of mixed numbers and multiply mixed numbers



## Estimating Products

One of the smallest newspapers ever printed had a page size of  $1\frac{1}{4}$  inches wide by  $2\frac{3}{4}$  inches long. Estimate the area of the page.

1. Round the mixed numbers to a whole number.

$$1\frac{1}{4} \approx 1$$
$$2\frac{3}{4} \approx 3$$

2. Multiply.

$$3 \times 1 = 3$$

### Practice Problems:

①  $5\frac{5}{6} \times 6\frac{4}{9}$

②  $7\frac{4}{6} \times 7\frac{1}{5}$

③  $12\frac{1}{2} \times 10\frac{2}{3}$



Practice:

Estimate the product

$$\textcircled{1} 3\frac{1}{2} \times 1\frac{1}{4} \approx 4 \times 1$$

$$\textcircled{2} 14\frac{2}{3} \times 5\frac{1}{3} \approx$$

$$\textcircled{3} 5\frac{1}{2} \times 10\frac{3}{10} \approx$$

Find each product

$$\textcircled{4} 7\frac{1}{2} \times 8\frac{2}{3} = \frac{15}{2} \times \frac{26}{3}$$

$$\textcircled{5} 5\frac{1}{3} \times 2\frac{1}{4}$$

$$\textcircled{6} 3\frac{1}{9} \times 3\frac{3}{8}$$

Homework:

Reteach 5-2

