

EXAMPLES

Find each product.

A $1\frac{1}{4} \times \frac{3}{4}$

Estimate: $1 \times 1 = 1$

$$1\frac{1}{4} \times \frac{3}{4} = \frac{5}{4} \times \frac{3}{4} \\ = \frac{15}{16}$$

Express $1\frac{1}{4}$ as an improper fraction.

Multiply and then compare with your estimate.

B $2\frac{2}{3} \times 5\frac{1}{2}$

$$\frac{8}{3} \times \frac{11}{2}$$

$$= \frac{\cancel{8} \cdot 11}{3 \cdot \cancel{2}}$$

$$= \frac{44}{3} \text{ or } 14\frac{2}{3}$$

Estimate $3 \times 5 = 15$ and then rewrite the mixed numbers as improper fractions.

The GCF of 8 and 2 is 2. Divide both the numerator and denominator by 2 and then multiply.

Rewrite as a mixed number and compare with your estimate.

PRACTICE

Find each product. Write in simplest form.

3. $4\frac{2}{3} \times 1\frac{1}{8}$

4. $3\frac{1}{3} \times 4\frac{1}{2}$

5. $1\frac{7}{9} \times 2\frac{1}{7}$

6. $4\frac{2}{5} \times 1\frac{4}{11}$

7. $2\frac{4}{9} \times 2\frac{7}{10}$

8. $2\frac{4}{5} \times 9\frac{1}{6}$

answers on next page...

3. $5\frac{1}{4}$ **4.** 15 **5.** $3\frac{17}{21}$ **6.** 6 **7.** $6\frac{3}{5}$ **8.** $25\frac{2}{3}$
