Simplify each.

1. $\frac{12}{18} \cdot \frac{25}{35}$ $\div 6$, $\div 5$, $\div 6$, $\div 5$

$\frac{2}{3} \cdot \frac{5}{7}$

$\frac{10}{21}$

2. $\frac{28}{15} \cdot \frac{40}{21}$ $\div 7$, $\div 5$, $\div 5$, $\div 7$

$\frac{4}{3} \cdot \frac{8}{3}$

$= \frac{32}{9}$

3. $\frac{32}{12} \cdot \frac{24}{36}$ $\div 4$, $\div 12$

$\frac{8}{3} \cdot \frac{2}{3} = \frac{16}{9}$

Simplify each.

1. $\frac{11}{9} \cdot \frac{36}{1}$ (4, 1, 1)

44

2. $\frac{7}{5} \cdot 40$

56

3. $\frac{5}{6} \cdot \frac{14}{1}$ (7, 3)

$= \frac{35}{3}$

Find this product.

$\frac{6}{5} \cdot 2\frac{7}{9}$

Change to an improper fraction

$\frac{2}{1} \cdot \frac{25}{3}$ (5)

$= \frac{10}{3}$

The quotient of two fractions:

$\frac{12}{7} \div \frac{16}{35}$

Instead of dividing by a fraction you can MULTIPLY by the RECIPROCAL.

$\frac{12}{1} \cdot \frac{35}{16}$ (3, 5, 4)

$= \frac{15}{4}$

Find this quotient.

$$\frac{8}{15} \div \frac{16}{27}$$

$$\frac{8}{15} \cdot \frac{27}{16} = \frac{9}{10}$$

Simplify. Give answer as a fraction in simplest form.

$$\frac{3}{8} + \frac{5}{6}$$

Does this use GCF or LCM?

$$\frac{9}{24} + \frac{20}{24} = \frac{29}{24}$$

Find each sum or difference. Give answer as both an improper fraction and a mixed number when both are possible. Make sure answer is reduced!

1. $\frac{7}{15} + \frac{3}{20}$

2. $\frac{3}{8} - \frac{11}{12}$

Find each sum or difference. Give answer as both an improper fraction and a mixed number when both are possible. Make sure answer is reduced!

1. $\frac{3}{1} + \frac{5}{4}$

$3 + 1\frac{1}{4}$

$4\frac{1}{4}$ $\frac{17}{4}$

$\frac{4}{1} \cdot \frac{4}{4} + \frac{1}{4}$

2. $\frac{7}{4} - \frac{2}{7}$

$\frac{28}{7} - \frac{2}{7}$

$\frac{26}{7} = 3\frac{5}{7}$

Find each sum or difference. Give answer as both an improper fraction and a mixed number when both are possible. Make sure answer is reduced!

1. $5 + \frac{4}{3}$

2. $6 - \frac{8}{5}$

Find this difference.

$$\frac{5}{3} - 3\frac{2}{7}$$

change to an improper fraction

$$\frac{5}{3} - \frac{23}{7} \cdot \frac{3}{3}$$

$$\frac{35}{21} - \frac{69}{21} \quad -\frac{34}{21}$$