

Math 0404 – Pre-Algebra
Fractions – Complex Fractions

Simplify each of the following:

1. $\frac{\frac{3}{4}}{\frac{7}{8}}$

2. $\frac{5}{\frac{25}{3}}$

3. $\frac{\frac{3}{4} + \frac{1}{8}}{\frac{7}{8} - \frac{2}{3}}$

4. $\frac{\frac{2}{3} + \frac{1}{6}}{\frac{8}{9} - \frac{1}{2}}$

5. $\frac{3\frac{3}{4} + 2\frac{1}{8}}{\frac{5}{12} - \frac{1}{6}}$

6. $\frac{\frac{5}{6} + 2}{\frac{3}{4} - \frac{1}{6}}$

Solutions

$$1. \frac{\frac{3}{4}}{\frac{7}{8}}$$

$$2. \frac{5}{\frac{25}{3}}$$

$$3. \frac{\frac{3}{4} + \frac{1}{8}}{\frac{7}{8} - \frac{1}{3}}$$

$$\frac{6}{7}$$

$$\frac{1}{15}$$

$$\frac{21}{5}$$

$$4. \frac{\frac{2}{3} + \frac{1}{6}}{\frac{8}{9} - \frac{1}{2}}$$

$$5. \frac{3\frac{3}{4} + 2\frac{1}{8}}{\frac{5}{12} - \frac{1}{6}}$$

$$6. \frac{\frac{5}{3} + 2}{\frac{6}{4} - \frac{1}{6}}$$

$$\frac{15}{7}$$

$$23\frac{1}{2}$$

$$4\frac{6}{7}$$