Fundamentals of Arithmetic MATH 060 Brush-Up Session

If you placed into ABE Math, MATH 60 or a higher-level course, this might be useful for you

Fractions & Mixed Numbers

Perform the indicated operation. Write the answers in lowest terms (simplify your answers).

Multiplying Fractions:

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

2. $7 \times \frac{1}{4} \times \frac{8}{21}$

3. $\frac{24}{30} \times \frac{3}{8} \times \frac{4}{9}$

4. $\frac{3}{4} \bullet 1\frac{3}{4}$

Dividing Fractions:

5. $\frac{7}{20} \div \frac{14}{15}$

6. $\frac{15}{18} \div \frac{30}{27}$

7. $8\frac{2}{5} \div 2\frac{1}{3}$

8. $6\frac{5}{6} \div 3\frac{3}{10}$

Adding / Subtracting Fractions:

9. $\frac{4}{15} + \frac{1}{3}$

10. $\frac{6}{7} - \frac{2}{5}$

11. $145\frac{2}{3} - 27\frac{1}{2}$

12. $7\frac{1}{4} - 5\frac{5}{8}$

13. List the fractions from least to greatest. $\frac{7}{10}$, $\frac{3}{5}$, $\frac{1}{2}$

14. Compare the fractions using the < or > to make the statement true. $\frac{3}{5}$ $\frac{2}{3}$

15. Perform the indicated operation.

A recipe calls for $3\frac{2}{3}$ cups of flour. If you double your recipe, how much flour will you need?

Answer key:

1. $\frac{2}{25}$ 2. $\frac{2}{3}$ 3. $\frac{2}{15}$ 4. $1\frac{5}{16}$ 5. $\frac{3}{8}$ 6. $\frac{3}{4}$ 7. $3\frac{3}{5}$

8. $2\frac{7}{99}$ 9. $\frac{3}{5}$ 10. $\frac{16}{35}$ 11. $118\frac{1}{6}$ 12. $1\frac{1}{4}$ 13. $\frac{1}{2}, \frac{3}{5}, \frac{7}{10}$

14. $\frac{3}{5} < \frac{2}{3}$ 15. $7\frac{1}{3}$

Need more help? Check out these Modumath Lessons #2.1-2.7
http://modumath.org/mm/GraysHarbor.html