

Solve.

42)  $\frac{2}{3} = m - \frac{1}{2}$

$$\frac{2}{3}\left(\frac{6}{1}\right) = m\left(\frac{6}{1}\right) - \frac{1}{2}\left(\frac{6}{1}\right)$$

42) \_\_\_\_\_

A)  $\frac{1}{6}$

B) 1

C)  $\frac{1}{2}$

D)  $1\frac{1}{6}$

$$4 = 6m - 3$$

$$\begin{array}{r} +3 \\ \hline \end{array}$$

$$\frac{7}{6} = \frac{6m}{6}$$

$$m = \frac{7}{6} \text{ or } 1\frac{1}{6}$$

Use the LCD to simplify and solve.

43)  $x - \frac{19}{20} = -\frac{3 \times 4}{5 \times 4}$

$$x - \frac{19}{20} = \frac{-12}{20}$$

43) \_\_\_\_\_

A)  $-\frac{7}{20}$

B)  $-1\frac{11}{20}$

C)  $1\frac{11}{20}$

D)  $\frac{7}{20}$

$$\begin{array}{r} +19 \\ \hline \end{array}$$

$$\begin{array}{r} +19 \\ \hline \end{array}$$

$$x = \frac{7}{20}$$

44)  $\frac{1}{4}f - 4 = 1$

$$\frac{1}{4}f - 4 \cdot 4 = 1 \cdot 4$$

44) \_\_\_\_\_

A) 20

B) -20

C) -6

D) 6

$$f - 16 = 4$$

$$\begin{array}{r} +16 \\ \hline \end{array}$$

$$f = 20$$

multiply everything by 4

45)  $2x + \frac{1}{3} = \frac{x}{4} + \frac{1}{6}$

$$12(2x) + 12\left(\frac{1}{3}\right) = 12\left(\frac{x}{4}\right) + 12\left(\frac{1}{6}\right)$$

45) \_\_\_\_\_

A)  $-\frac{4}{9}$

B)  $-\frac{2}{27}$

C)  $-\frac{2}{21}$

D)  $10\frac{4}{5}$

$$24x + 4 = 3x + 2$$

$$\begin{array}{r} -3x \\ \hline \end{array}$$

$$21x + 4 = 2$$

$$\begin{array}{r} -4 \\ \hline \end{array}$$

$$\frac{21x}{21} = \frac{-2}{21}$$

$$x = \frac{-2}{21}$$