

Survey

Warm up:

Solve.

$$\begin{array}{r} -\frac{7}{4} - \\ -\frac{35}{20} - \end{array}$$

$$\begin{array}{r} -35 - 8 \\ -35 + (-8) \\ -43 \end{array}$$

$$\begin{array}{r} 3 \\ 9 \times 15 \\ 0 \end{array}$$

$$\begin{array}{r} 0 \\ \times 15 \\ 75 \end{array}$$

$$-1\frac{3}{4} = \frac{2}{5} - \frac{3}{8}x$$

$$-\frac{7}{4} = -\frac{3}{8}x$$

$$\cancel{\frac{-7}{4}} = \cancel{\frac{-3}{8}x} \cdot \cancel{\frac{8}{3}}$$

$$\frac{86}{15} = x$$

$$5\frac{11}{15} = x$$

$$\begin{array}{l} -\frac{43}{20} \div \left(-\frac{3}{8}\right) \\ -\frac{43}{20} \cdot \left(-\frac{8}{3}\right) \end{array}$$

HW Solutions

②

$$-\frac{5}{6} + \frac{1}{5}a = -4$$

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

$$\frac{5}{1} \left(\frac{1}{5}a \right) = \left(-\frac{19}{6} \right) \frac{5}{1}$$

$$\begin{array}{r} 15 \\ 6 \overline{) 95} \\ \underline{-60} \\ 35 \\ \underline{-30} \\ 5 \end{array}$$

$$a = -\frac{95}{6} =$$

$$\boxed{-15\frac{5}{6}}$$

$$-\frac{4}{1} + \frac{5}{6}$$

$$-\frac{24}{6} + \frac{5}{6}$$

$$-\frac{19}{6}$$

⑤

$$-\frac{2}{13} - 2\frac{3}{5}n = -\frac{15}{512}$$

$$-\frac{16}{40} - \frac{15}{40}$$

$$-16 - 15$$

$$-16 + (-15)$$

$$\begin{array}{r} 2 \\ 13 \\ \times 8 \\ \hline 104 \end{array}$$

$$-\frac{2}{13} - 2\frac{3}{5}n = -\frac{31}{40}$$

$$-\frac{2}{13} \left(-\frac{13}{5}n\right) = \left(-\frac{31}{40}\right) \left(-\frac{13}{13}\right) - 31$$

$$n = \frac{31}{104}$$

④ $4\frac{1}{3} = \frac{5}{7} - p$

$$4\frac{1}{3} - \frac{5}{7} = \frac{13}{3} - \frac{5}{7}$$

$$\frac{91}{21} - \frac{15}{21} = \frac{76}{21}$$

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

$$\frac{76}{21} = -p$$

$$-1 \quad -1$$

$$-\frac{76}{21} = p$$

$$-3\frac{13}{21} = p$$

$$21 \overline{) 76}$$

$$\underline{-63}$$

$$13$$

$$6c - \frac{5}{8} = -3\frac{1}{3}$$

$$+ \frac{5}{8} \quad + \frac{5}{8}$$

$$\frac{1}{6} (6c) = \left(-\frac{65}{24} \right) \frac{1}{6}$$

$$c = -\frac{65}{144}$$

$$-\frac{10}{3} + \frac{5}{8}$$

$$-\frac{80}{24} + \frac{15}{24}$$

$$-80 + 15$$

$$-65$$

2

$$\begin{array}{r} 24 \\ \times 6 \\ \hline 144 \end{array}$$

$$\frac{2}{5} = \frac{3}{7}y + 4$$

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$$-\frac{4}{5} = \frac{3}{7}y$$

$$-\frac{42}{5} = y$$

$$-\frac{42}{5} = y$$

$$-\frac{1}{2} = -3x + 1\frac{5}{6}$$

$$-27.82 = -8.1 - 3.4n$$

$$3.95 - m = -6.5$$

$$-8 + 4.25a = 51.5$$

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