

September 29, 2015

Warm-Up

A. $(-0.8) + 1.2 \div (-0.3) \times 1.5$

$$-0.8 + \underline{1.2 \div -0.3} \times 1.5$$

$$-0.8 + \underline{-4 \times 1.5}$$

$$-0.8 + -6$$

$$-6.8$$

B. $(-3.2) - 0.9 \div [0.7 - (-1.2)]$

$$-3.2 - 0.9 \div (0.7 - -1.2)$$

$$\boxed{-3.2 - 0.9 \div 1.9}$$

$$-3.2 - 0.47$$

$$\textcircled{-3.67}$$

$$\begin{array}{r} x^2 \\ x^2 \end{array} \frac{x^2}{7}, -\frac{5}{14}$$
$$\frac{4}{14}, \frac{-5}{14}$$

$$\begin{array}{r} 734 \times 6.25 \\ 4587.50 \leftarrow \text{made} \\ + 319.80 \end{array}$$

$$a) \underline{6 \times 3 + 3 \times 7}$$

$$6 \times 4 - 11$$

$$\underline{18 + 21}$$

$$24 - 11$$

$$\underline{39}$$

$$13$$

$$\textcircled{3}$$

$$b) \underline{64 \div 4 + (2 \times 4)}$$
$$8 \times 5 + 6 - (2 \times 19)$$

$$\underline{64 \div 4 + 8}$$

$$8 \times 5 + 6 - 38$$

$$\underline{16 + 8}$$

$$40 + 6 - 38$$

$$\underline{24}$$

$$8$$

$$= \textcircled{3}$$

$$c) (15 + 6 \times 2) - (8 \times 2 \div -4)$$

$$(15 + -12) - (16 \div -4)$$

$$3 - -4$$

$$7$$

A.

$$\frac{11}{2} + \frac{9}{2} - (3 - 2)$$

$$\frac{11}{2} + \frac{9}{2} - \frac{1 \times^2}{1 \times^2}$$

$$\frac{11}{2} + \frac{9}{2} - \frac{2}{2}$$

$$\frac{18}{2}$$

9

B. $(6 - \frac{4}{3}) \times \frac{11}{2}$

$$\overset{\times 3}{\times 3} \left(\overset{\times 3}{6} - \frac{4}{3} \right) \times \frac{11}{2}$$

$$\left(\frac{18}{3} - \frac{4}{3} \right) \times \frac{11}{2}$$

$$\frac{14}{3} \times \frac{11}{2}$$

$$\frac{154}{6}$$

$$25\frac{4}{6}$$

25 2/3

$$-3\frac{2}{5} \times -1\frac{5}{6} + \frac{3}{10}$$

$$-\frac{17}{5} \times -\frac{11}{6} + \frac{3}{10}$$

$$\frac{187}{30} + \frac{3}{10}$$

$$\frac{187}{30} + \frac{9}{30} = \frac{196}{30} = 6\frac{16}{30} = 6\frac{8}{15}$$

$$(2\frac{1}{4} \times 3\frac{1}{2}) + \frac{1}{5} - \frac{2}{3}$$

$$\left(\frac{9}{4} \times \frac{7}{2}\right) + \frac{1}{5} - \frac{2}{3}$$

$$\frac{63}{8} + \frac{1}{5} - \frac{2}{3}$$

$$\frac{315}{40} + \frac{8}{40} - \frac{2}{3}$$

$$\frac{323}{40} - \frac{2}{3}$$

$$\frac{969}{120} - \frac{80}{120}$$

$$\frac{889}{120} = 7\frac{49}{120}$$

3
40, 80, 120

$$\left(\frac{3}{7} + \frac{11}{21} \right) \div \frac{5}{12} \times \frac{-2}{3}$$

$$\left(\frac{9}{21} + \frac{11}{21} \right) \div \frac{5}{12} \times \frac{-2}{3}$$

$$\frac{20}{21} \div \frac{5}{12} \times \frac{-2}{3}$$

← f.i.p

$$\frac{20}{21} \times \frac{12}{5} \times \frac{-2}{3}$$

$$\frac{-480}{315} = -1 \frac{165}{315}$$

$$-1 \frac{11}{21}$$

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#3. a, b, c

#4. a, b

$$1\frac{5}{8} - \left(-2\frac{3}{4} + 2\right) \left(-2\frac{3}{4} + \frac{2}{3}\right)$$