Fraction/Decimal Test Corrections

120214

obj: to correct Test 2

1) $-1.05 = -\frac{105}{100} = \frac{105 \div 5}{100 \div 5} = \frac{-21}{20}$

$= -1\frac{5}{100} = -1\frac{5 \div 5}{100 \div 5} = -1\frac{1}{20}$

2) -0.19

$\frac{-19}{100}$

Fraction Decimal Test Corrections

3) $-1\frac{2}{5} \cdot \frac{2}{2} = -1\frac{4}{10}$

-1.4

4) $\frac{3}{8}$ → numerator
→ denominator

denominator | numerator

$= 0.375$

$$
\begin{array}{r}
0.375 \\
8\overline{)3.0000} \\
-24\downarrow \\
\hline
60 \\
-56 \\
\hline
40 \\
-40 \\
\hline
0
\end{array}
$$

Fraction Decimal Test Corrections

5) $1.7 - 3.5$

$1.7 + (-3.5) = -1.8$

$$\begin{array}{r} {}^{2}\not{3}.{}^{15}\not{5} \\ -\ 1.7 \\ \hline 1.8 \end{array}$$

Fraction Decimal Test Corrections

6) $-2.3 - 1.4$

$-2.3 + (-1.4) = -3.7$

$$\begin{array}{r} 2.3 \\ +\ 1.4 \\ \hline 3.7 \end{array}$$

Fraction Decimal Test Corrections

7) $-1.2 + 0.15 = -1.05$

$$\begin{array}{r} {\scriptstyle 1\ \ 10} \\ 1.\cancel{2}\cancel{0} \\ -\ 0.15 \\ \hline 1.05 \end{array}$$

Fraction Decimal Test Corrections

8) $-4.1 + (-0.13) = -4.23$

$$\begin{array}{r} 4.10 \\ +\ 0.13 \\ \hline 4.23 \end{array}$$

Fraction Decimal Test Corrections

9) $(-0.3)(0.8) = -0.24$

$$\begin{array}{r} 0.3 \\ \times\ 0.8 \\ \hline .24 \end{array}$$

$\frac{3}{10} \cdot \frac{8}{10} = \frac{24}{100}$

Fraction Decimal Test Corrections

10) $(-1.4)(-0.02) = +0.028$

$$\begin{array}{r} 1.4 \\ \times\ 0.02 \\ \hline 0.028 \end{array}$$

$\frac{14}{10} \cdot \frac{2}{100} = \frac{}{1000}$

Fraction Decimal Test Corrections

11) $-0.36 \div 0.3$

$\times 10 \qquad \times 10$

$-3.6 \div 3 = -1.2$

$$
\begin{array}{r}
1.2 \\
3\overline{)\,3.6} \\
-\,3 \\
\hline
06 \\
-\,6 \\
\hline
0
\end{array}
$$

Fraction Decimal Test Corrections

12) $-1.46 \div (-0.2) = +7.3$

$\times 10 \qquad \times 10$

$-14.6 \div -2$

$$
\begin{array}{r}
07.3 \\
2\overline{)14.6} \\
-14\downarrow \\
\hline
06 \\
-\ 6 \\
\hline
0
\end{array}
$$

Fraction Decimal Test Corrections

13) $-1\frac{3}{7} + \frac{5}{7}$

$-\frac{10}{7} + \frac{5}{7}$

$\frac{-10+5}{7}$

$-\frac{5}{7}$

Fraction Decimal Test Corrections

14) $-2\frac{3}{5} \cdot \frac{2}{2} + \left(-1\frac{2}{10}\right)$

$-2\frac{6}{10} + \left(-1\frac{2}{10}\right)$

$-3\frac{8}{10} = -3\frac{4}{5}$

Fraction Decimal Test Corrections

15) $1\frac{2}{9} - 2\frac{1}{9}$

$\frac{11}{9} - \frac{19}{9}$

$\frac{11-19}{9}$

$-\frac{8}{9}$

Fraction Decimal Test Corrections

16) $-\frac{3}{8} - 1\frac{1}{4}$

$-\frac{3}{8} - \frac{5}{4} \cdot \frac{2}{2}$

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

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

$\frac{-13}{8}$

Fraction Decimal Test Corrections

17) $\left(-2\frac{1}{3}\right)\left(\frac{9}{14}\right)$

$\left(-\frac{7}{3}\right)\left(\frac{9}{14}\right)$

$\left(-\frac{\cancel{7}^{1}}{\cancel{3}_{1}}\right)\left(\frac{\cancel{9}^{3}}{\cancel{14}_{2}}\right)$

$\frac{-1 \cdot 3}{1 \cdot 2}$

$-\frac{3}{2}$

Fraction Decimal Test Corrections

18) $\left(-\frac{3}{4}\right)\left(\frac{-3}{8}\right)$

$\frac{9}{32}$

Fraction Decimal Test Corrections

19) $-1\frac{1}{3} \div \left(-\frac{5}{6}\right)$

$-\frac{4}{3} \div \left(-\frac{5}{6}\right)$

$-\frac{4}{\cancel{3}_{1}} \cdot \frac{\cancel{6}^{2}}{-5}$

$\frac{-8}{-5}$

$\frac{8}{5}$

Fraction Decimal Test Corrections

20) $-4\frac{1}{3} \div 2\frac{1}{3}$

$-\frac{13}{3} \div \frac{7}{3}$

$-\frac{13}{3} \cdot \frac{3}{7}$

$-\frac{13}{7}$