REVIEW

Write each decimal as a fraction in simplified form.

1. $2.75 = 2\frac{75}{100} = 2\frac{3}{4}$ or $\frac{11}{4}$

2. $0.005 = \frac{5}{1000} = \frac{1}{200}$

3. $6.5 = 6\frac{5}{10} = 6\frac{1}{2}$ or $\frac{13}{2}$

4. $1.4 = 1\frac{4}{10}$ or $\frac{14}{10} = \frac{7}{5}$ or $1\frac{2}{5}$

5. $1.16 = \frac{116}{100} = \frac{29}{25}$ or $1\frac{4}{25}$

6. $2.003 = \frac{2003}{1000}$ or $2\frac{3}{1000}$

7. $4.123 = 4\frac{123}{1000}$ or $\frac{4123}{1000}$

8. $2.3 = 2\frac{3}{10}$ or $\frac{23}{10}$

Write each fraction as a decimal.

1. $\frac{1}{5}\left(\frac{2}{2}\right) = \frac{2}{10} = 0.2$

2. $\frac{4}{11}$

$11\overline{)4.0000}$ $.3636\ldots$

-33

70

-66

40

-33

70

$= 0.\overline{36}$

3. $\frac{102}{26}\ \frac{51}{13} = \frac{51}{13}$

$= 3.923076$

4. $\frac{7}{3} = 2\frac{1}{3} = 2.\overline{3}$

5. $\frac{3}{4}\left(\frac{25}{25}\right) = \frac{75}{100}$

$= 0.75$

6. $\frac{15}{8} = 1\frac{7}{8}\left(\frac{125}{125}\right)$

$= 1\frac{875}{1000} = 1.875$

7. $\frac{28}{9} = 3\frac{1}{9} = 3.\overline{1}$

$9\overline{)1.000}$ $.111\ldots$

-9

10

8. $\frac{9}{2} = 4\frac{1}{2}\left(\frac{5}{5}\right) = 4\frac{5}{10}$

$= 4.5$

$3\overline{)1.000}$ $.33\ldots$

-9

10

$13\overline{)51.0000}$ $3.923076923076\ldots$

-39

120

-117

30

-26

40

-39

10

-0

100

-91

90

-78

120