Fractions, Mixed Numbers and Decimals

Proper, Improper and Mixed Numerals

1. Write the following decimals as improper fractions over the denominator shown, then as a mixed number. Round the mixed number as necessary. *(Score 2 points for each correct blank; 10 points each question)*

Example: 3.8 = $\frac{38}{10}$ = $3\ \frac{8}{10}$ = $3\ \frac{4}{5}$

a) 7.6 = $\frac{\quad}{10}$ = $\quad\ \frac{\quad}{10}$ = $\quad\ \frac{\quad}{5}$ /10

b) 15.35 = $\frac{\quad}{100}$ = $\quad\ \frac{\quad}{100}$ = $\quad\ \frac{\quad}{20}$ /10

c) 2.04 = $\frac{\quad}{100}$ = $\quad\ \frac{\quad}{100}$ = $\quad\ \frac{\quad}{25}$ /10

d) 31.246 = $\frac{\quad}{1000}$ = $\quad\ \frac{\quad}{1000}$ = $\quad\ \frac{\quad}{500}$ /10

e) 10.5 = $\frac{\quad}{10}$ = $\quad\ \frac{\quad}{10}$ = $\quad\ \frac{\quad}{2}$ /10

Total for question 1: _____ / 50

2. Write the following fractions or mixed numbers as decimals.
(Score 5 points for each correct answer)

a) $\frac{7}{10}$ = _____ b) $\frac{14}{100}$ = _____

c) $\frac{467}{1000}$ = _____ d) $\frac{25}{10}$ = _____

e) $\frac{694}{100}$ = _____ f) $\frac{254}{10}$ = _____

g) $6\frac{17}{100}$ = _____ h) $3\frac{26}{1000}$ = _____

i) $\frac{403}{100}$ = _____ j) $5\frac{2}{100}$ = _____

Total for question 2: _____ / 50

Total Score: _____ / 100

Fractions, Mixed Numbers and Decimals - Answers

Proper, Improper and Mixed Numerals

Do not give this to the student.

1. Write the following decimals as improper fractions over the denominator shown, then as a mixed number. Round the mixed number as necessary. *(Score 2 points for each correct blank; 10 points each question)*

Example: 3.8 = $\frac{38}{10}$ = $3\ \frac{8}{10}$ = $3\ \frac{4}{5}$

a) 7.6 = $\frac{76}{10}$ = $7\ \frac{6}{10}$ = $7\ \frac{3}{5}$ /10

b) 15.35 = $\frac{1,535}{100}$ = $15\ \frac{35}{100}$ = $15\ \frac{7}{20}$ /10

c) 2.04 = $\frac{204}{100}$ = $2\ \frac{4}{100}$ = $2\ \frac{1}{25}$ /10

d) 31.246 = $\frac{31,246}{1000}$ = $31\ \frac{246}{1000}$ = $31\ \frac{123}{500}$ /10

e) 10.5 = $\frac{105}{10}$ = $10\ \frac{5}{10}$ = $10\ \frac{1}{2}$ /10

Total for question 1: _____ / 50

2. Write the following fractions or mixed numbers as decimals.
(Score 5 points for each correct answer)

a) $\frac{7}{10}$ = 0.7

b) $\frac{14}{100}$ = 0.14

c) $\frac{467}{1000}$ = 0.467

d) $\frac{25}{10}$ = 2.5

e) $\frac{694}{100}$ = 6.94

f) $\frac{254}{10}$ = 25.4

g) $6\frac{17}{100}$ = 6.17

h) $3\frac{26}{1000}$ = 3.026

i) $\frac{403}{100}$ = 4.03

j) $5\frac{2}{100}$ = 5.02

Total for question 2: _____ / 50

Total Score: _____ / 100