Decimals and Fractions

Fractions and decimals are two different ways of representing the same number. A decimal number has a decimal point. A fraction has a numerator and denominator. Change decimals to fractions by using the correct denominator of 10, 100, 1000 etc. Change fractions to decimals by looking at the denominator.

1. Change each of the following decimals to fractions.

a) 0.3 _____ b) 0.5 _____ c) 0.9 _____ d) 0.7 _____

e) 0.13 _____ f) 0.41 _____ g) 0.56 _____ h) 0.28 _____

i) 0.313 _____ j) 0.515 _____ k) 0.341 _____ l) 0.761 _____

2. Change each of the following decimals to fractions.

a) 1.2 _____ b) 3.6 _____ c) 7.1 _____ d) 5.4 _____

e) 4.32 _____ f) 5.16 _____ g) 2.61 _____ h) 7.43 _____

i) 5.521 _____ j) 6.402 _____ k) 6.690 _____ l) 3.166 _____

3. Change each of the following decimals to fractions.

a) 22.5 _____ b) 33.06 _____ c) 7.001 _____ d) 4.01 _____

e) 7.302 _____ f) 5.06 _____ g) 8.001 _____ h) 7.1 _____

i) 2.1 _____ j) 2.01 _____ k) 2.001 _____ l) 5.04 _____

4. Change each of the following fractions to decimals.

a) $\frac{4}{10}$ = _____ b) $\frac{8}{10}$ = _____ c) $\frac{3}{10}$ = _____ d) $\frac{99}{100}$ = _____

e) $\frac{1}{100}$ = _____ f) $\frac{18}{100}$ = _____ g) $\frac{42}{100}$ = _____ h) $\frac{5}{10}$ = _____

i) $\frac{5}{1000}$ = _____ j) $\frac{52}{1000}$ = _____ k) $\frac{985}{1000}$ = _____ l) $\frac{12}{100}$ = _____

5. Change each of the following fractions to decimals.

a) $5\frac{4}{10}$ = _____ b) $8\frac{1}{10}$ = _____ c) $5\frac{9}{10}$ = _____ d) $7\frac{623}{1000}$ = _____

e) $3\frac{11}{100}$ = _____ f) $6\frac{62}{100}$ = _____ g) $2\frac{5}{100}$ = _____ h) $1\frac{26}{1000}$ = _____

LIVEWORKSHEETS