

Worksheet2015-6EJ-0002

DECIMAL FRACTIONS

(1) Write the common fractions as decimal fractions.

- (a) $\frac{14}{10} = \underline{1,4}$ (b) $\frac{1}{100} = \underline{0,01}$ (c) $\frac{1}{1000} = \underline{0,001}$ (d) $\frac{3}{1000} = \underline{0,003}$
- (e) $\frac{13}{100} = \underline{0,13}$ (f) $2 \frac{23}{1000} = \underline{2,023}$ (g) $1 \frac{23}{1000} = \underline{1,023}$ (h) $2 \frac{25}{100} = \underline{0,25}$
- (i) $\frac{6}{100} = \underline{0,06}$ (j) $\frac{24}{1000} = \underline{0,024}$ (k) $\frac{200}{1000} = \underline{0,200}$ (l) $\frac{12}{10} = \underline{1,2}$
- (m) $\frac{125}{100} = \underline{1,25}$ (n) $\frac{32}{1000} = \underline{0,032}$ (o) $\frac{1225}{1000} = \underline{1,225}$ (p) $\frac{7000}{1000} = \underline{7,0}$
- (q) $1 \frac{1}{10} = \underline{1,1}$ (r) $1 \frac{125}{1000} = \underline{1,125}$ (s) $\frac{44}{10} = \underline{4,4}$ (t) $\frac{120}{100} = \underline{1,20}$

(2) Write the common fractions as decimal fractions.

(a) $\frac{1}{2}$	$\frac{1}{2} \times \frac{5}{5} = \frac{5}{10} = 0,5$
(b) $\frac{1}{4}$	$\frac{1}{4} \times \frac{25}{25} = \frac{25}{100} = 0,25$
(c) $\frac{1}{5}$	$\frac{1}{5} \times \frac{20}{20} = \frac{20}{100} = 0,20$
(d) $\frac{14}{20}$	$\frac{14}{20} \times \frac{5}{5} = \frac{70}{100} = 0,70$
(e) $\frac{25}{50}$	$\frac{25}{50} \times \frac{2}{2} = \frac{50}{100} = 0,50$
(f) $\frac{3}{4}$	$\frac{3}{4} \times \frac{25}{25} = \frac{75}{100} = 0,75$
(g) $\frac{20}{25}$	$\frac{20}{25} \times \frac{4}{4} = \frac{80}{100} = 0,80$
(h) $\frac{1}{8}$	$\frac{1}{8} \times \frac{125}{125} = \frac{125}{1000} = 0,125$
(i) $\frac{4}{5}$	$\frac{4}{5} \times \frac{2}{2} = \frac{8}{10} = 0,8$
(j) $\frac{3}{4}$	$\frac{3}{4} \times \frac{25}{25} = \frac{75}{100} = 0,75$

Remember:

The numerators should be 10, 100 of 1 000

Remember the following:

$$8 \times 125 = 1\,000$$

(3) Calculate the following.

(a) $0,1 + 0,1 + 0,2 = \underline{0,4}$	(a) $0,3 + 0,6 = \underline{0,9}$	(a) $0,8 + 0,2 = \underline{1,0}$
(b) $0,2 + 0,5 + 1,2 = \underline{1,9}$	(b) $0,4 + 0,6 = \underline{1,0}$	(b) $1,8 + 0,2 = \underline{2,0}$
(c) $2,0 + 3,0 + 0,5 = \underline{5,5}$	(c) $0,7 + 0,4 = \underline{1,1}$	(c) $3,2 + 3,5 = \underline{6,7}$
(d) $1,5 + 1,5 = \underline{3,0}$	(d) $0,3 + 1,3 = \underline{1,6}$	(d) $3 + 0,6 + 1 = \underline{4,6}$
(e) $2,5 + 2,5 = \underline{5,0}$	(e) $2,5 + 0,5 = \underline{3,0}$	(e) $1,8 + 1,2 = \underline{3,0}$
(f) $0,1 + 0,7 = \underline{0,8}$	(f) $4,5 + 4,5 = \underline{9,0}$	(f) $6,4 + 0,6 = \underline{7,0}$
(g) $1,2 + 1,2 = \underline{2,4}$	(g) $2,5 + 1,5 = \underline{4,0}$	(g) $0,2 + 0,2 = \underline{0,4}$
(h) $0,3 + 0,3 = \underline{0,6}$	(h) $4,2 + 4,2 = \underline{8,4}$	(h) $0,6 + 0,6 = \underline{1,2}$
(i) $0,2 + 0,2 = \underline{0,4}$	(i) $5,5 + 5,5 = \underline{11,0}$	(i) $1,1 + 0,9 = \underline{2,0}$
(j) $0,1 + 0,1 + 0,1 = \underline{0,3}$	(j) $0,5 + 0,6 = \underline{1,1}$	(j) $2,0 + 5,0 = \underline{7,0}$

(4) Addition.

$\begin{array}{r} \text{(a)} 8,452 \\ 9,235 \\ + \quad 0,189 \\ \hline 17,876 \end{array}$	$\begin{array}{r} \text{(b)} 1,989 \\ 7,710 \\ + \quad 0,011 \\ \hline 9,710 \end{array}$	$\begin{array}{r} \text{(c)} 9,00 \\ - 1,98 \\ \hline 7,02 \end{array}$
$\begin{array}{r} \text{(d)} 6,952 \\ 5,207 \\ + \quad 2,189 \\ \hline 14,348 \end{array}$	$\begin{array}{r} \text{(e)} 8,089 \\ 7,769 \\ + \quad 8,071 \\ \hline 23,929 \end{array}$	$\begin{array}{r} \text{(f)} 12,23 \\ - 1,98 \\ \hline 10,25 \end{array}$
$\begin{array}{r} \text{(g)} 4,452 \\ 4,235 \\ + \quad 6,188 \\ \hline 14,875 \end{array}$	$\begin{array}{r} \text{(h)} 1,989 \\ 2,710 \\ + \quad 9,051 \\ \hline 13,75 \end{array}$	$\begin{array}{r} \text{(h)} 3,79 \\ - 1,98 \\ \hline 1,81 \end{array}$