

Workout

Question 1: Convert the following fractions to decimals.

(a) $\frac{1}{2}$ (b) $\frac{1}{4}$ (c) $\frac{3}{4}$ (d) $\frac{1}{5}$ (e) $\frac{3}{5}$ (f) $\frac{4}{5}$

(g) $\frac{1}{10}$ (h) $\frac{3}{10}$ (i) $\frac{7}{10}$ (j) $\frac{9}{10}$ (k) $\frac{67}{100}$ (l) $\frac{99}{100}$

Question 2: Convert the following fractions to decimals.

(a) $\frac{1}{8}$ (b) $\frac{7}{20}$ (c) $\frac{5}{8}$ (d) $\frac{3}{20}$ (e) $\frac{3}{25}$ (f) $\frac{7}{8}$

(g) $\frac{19}{20}$ (h) $\frac{43}{50}$ (i) $\frac{1}{3}$ (j) $\frac{9}{200}$ (k) $\frac{9}{40}$ (l) $\frac{13}{20}$

(m) $\frac{2}{3}$ (n) $\frac{123}{200}$ (o) $\frac{21}{40}$ (p) $\frac{401}{500}$ (q) $\frac{161}{200}$ (r) $\frac{3}{8}$

(s) $\frac{1}{9}$ (t) $\frac{19}{50}$ (u) $\frac{51}{80}$ (v) $\frac{11}{80}$ (w) $\frac{5}{9}$

Question 3: Convert the following fractions to decimals.

(a) $\frac{3}{2}$ (b) $\frac{5}{4}$ (c) $\frac{11}{2}$ (d) $\frac{9}{5}$ (e) $\frac{53}{20}$ (f) $\frac{177}{100}$

Apply

Question 1: Match up any fraction and percentage that are equivalent.
Not all the fractions and percentages will match up.

Question 2: Which is larger, 0.65 or $\frac{3}{5}$?

Explain your answer.

Question 3: Arrange in order, from smallest to largest.

$\frac{7}{10}$

0.9

$\frac{4}{5}$

0.77

$\frac{3}{4}$

Question 4: In 2015, $\frac{13}{20}$ of adults in the UK owned a smart phone.

Write $\frac{13}{20}$ as a decimal.

Question 5: Leon has completed his homework.
Can you spot any mistakes?

Write $\frac{4}{5}$ as a decimal.

Write $\frac{3}{20}$ as a decimal.

$$\begin{array}{r} 1.25 \\ 4 \overline{) 5.00} \\ \underline{4 } \\ 10 \\ \underline{8 } \\ 20 \\ \underline{20} \\ 0 \end{array}$$

Answer: 1.25

$$\begin{array}{r} 0.105 \\ 20 \overline{) 3.000} \\ \underline{20 } \\ 100 \\ \underline{100 } \\ 000 \\ \underline{2000} \\ 0 \end{array}$$

Answer: 0.105

$\frac{1}{2}$

0.4

$\frac{3}{4}$

0.5

$\frac{2}{5}$

0.25

$\frac{7}{10}$

0.34

$\frac{1}{4}$

0.7