Corbett maths

Decimals to Fractions
Videos 123 and 124 on www.corbettmaths.com

Examples

Workout

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Question 1:   Convert the following decimals to fractions, in their simplest forms

(a) 0.5   (b) 0.3   (c) 0.7   (d) 0.1

(e) 0.8   (f) 0.2   (g) 0.9   (h) 0.6

(i) 0.13   (j) 0.22   (k) 0.31   (l) 0.12

(m) 0.42   (n) 0.89   (o) 0.15   (p) 0.84

(q) 0.25   (r) 0.02   (s) 0.45   (t) 0.07

(u) 0.92   (v) 0.95   (w) 0.16   (x) 0.83

Question 2:   Write the following decimals as fractions, in their simplest forms

(a) 0.123   (b) 0.402   (c) 0.676   (d) 0.888

(e) 0.195   (f) 0.625   (g) 0.225   (h) 0.1234

(i) 0.5005   (j) 0.2244   (k) 0.9702   (l) 0.7007

Question 3:   Convert the following decimals to fractions, in their simplest forms

(a) 1.3   (b) 1.9   (c) 1.4   (d) 1.5

(e) 2.5   (f) 3.9   (g) 8.5   (h) 1.12

(i) 1.75   (j) 1.72   (k) 2.75   (l) 3.55

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Apply

$\frac{1}{3}$ 0.6

$\frac{3}{5}$ 1.3

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

$\frac{1}{2}$ 0.5

$\frac{3}{10}$ 0.625

$\frac{5}{8}$ 0.3

Question 2:   Danny has tried to complete his homework.
              Can you spot any mistakes?

Q1
Write 0.6 as a fraction.
Give your answer in its simplest form.

$$\frac{6}{10}$$

Q2
Write 0.08 as a fraction.
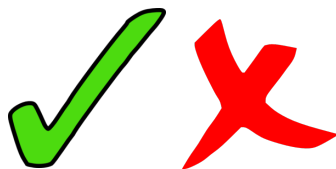Give your answer in its simplest form.

$$\frac{2}{50}$$

Q3   Write 0.902 as a fraction.
Give your answer in its simplest form.

$$\frac{46}{500} = \frac{23}{250}$$

Answers

✓ ✗

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