Decimals to Percentages

Video 125 on www.corbettmaths.com

Examples

Workout

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Question 1: Convert the following decimals to percentages

(a) 0.25 (b) 0.75 (c) 0.13 (d) 0.88

(e) 0.49 (f) 0.92 (g) 0.61 (h) 0.07

(i) 0.03 (j) 0.44 (k) 0.5 (l) 0.9

(m) 0.72 (n) 0.8 (o) 0.01 (p) 0.36

Question 2: Convert the following decimals to percentages

(a) 0.125 (b) 0.953 (c) 0.382 (d) 0.603

(e) 0.075 (f) 0.021 (g) 0.1425 (h) 0.9682

(i) 0.003 (j) 0.072 (k) 0.844 (l) 0.7003

Question 3: Convert the following recurring decimals to percentages

(a) 0.3333... (b) 0.6666... (c) 0.474747... (d) 0.808080...

(e) $0.\dot{8}$ (f) $0.\dot{1}$ (g) $0.\dot{5}\dot{2}$ (h) $0.\dot{1}2\dot{3}$

Question 4: Convert the following decimals to percentages

(a) 1.63 (b) 1.25 (c) 1.8 (d) 1.01

(e) 2.5 (f) 2.97 (g) 3.15 (h) 3.82

(i) 4.7 (j) 10.62 (k) 15.8 (l) 10.08

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Apply

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

40%	0.04
15%	0.3
4%	1.5
150%	0.4
30%	0.9

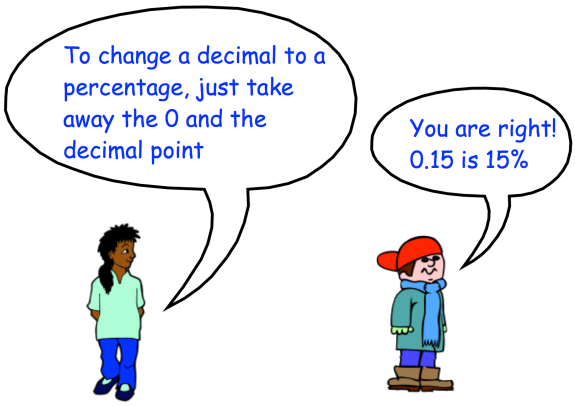
Question 2: Arrange in order from smallest to largest

(a) 0.4, 20%, 0.5, 45%, 0.09

(b) 0.59, 85%, 20%, 0.8, 13%

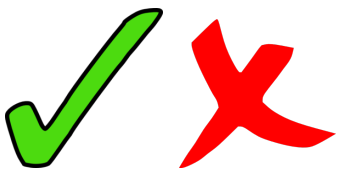
(c) 29%, 0.3, 35%, 0.33, 25%

Question 3: Jessica and Daniel are incorrect.
Explain why.



Question 4: Which is larger, 0.306 or 31%?
Explain your answer.

Answers



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