Convert fractions to decimals and percentages with a calculator

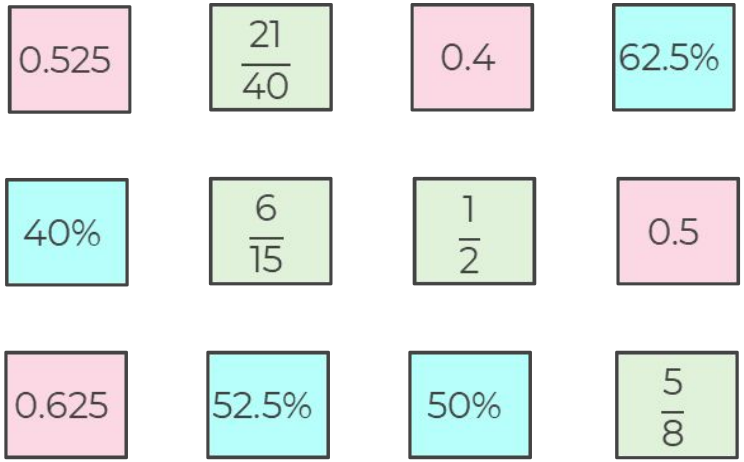
Mr Chan
Maths

Convert fractions to decimals and percentages with a calculator

1. Using a calculator complete the missing numbers in the table.

Fraction	Decimal	Percentage
$\frac{3}{5}$		
$\frac{9}{20}$		
$\frac{5}{40}$		
$\frac{3}{16}$		

2. Here are some fraction, decimal and percentage number cards.



Match these cards into groups of three that are equivalent.

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3. Four students have completed a test. Here are their scores.

Whitney	$\frac{58}{80}$	Simon	$\frac{53}{80}$
Dora	$\frac{48}{80}$	Amir	$\frac{56}{80}$

a) Convert the marks into percentages.

b) Why are some of the percentages integers and others not?

4. The attendance of two classes on Friday was:

Class X had 3 pupils absent out of 29

Class Y had 4 pupils absent out of 31

a) Work out the percentage attendance of each class, give your answer to the nearest whole percent.

b) Which class had the highest percentage attendance?

Answers

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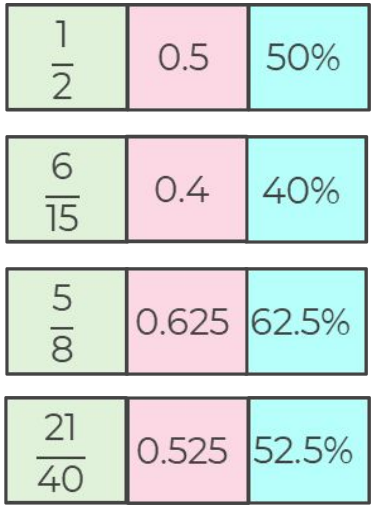
1. Using a calculator complete the missing numbers in the table

Fraction	Decimal	Percentage
$\frac{3}{5}$	0.6	60%
$\frac{9}{20}$	0.45	45%
$\frac{5}{40}$	0.125	12.5%
$\frac{3}{16}$	0.1875	18.75%

2. Here are some fraction, decimal and percentage number cards.



Match these cards into groups of three that are equivalent

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3. Four students have completed a test. Here are their scores.

Whitney	58/80 = 72.5%	Simon	53/80 = 66.25%
Dora	60/80	Amir	56/80 = 70%

a) Convert the marks into percentages.

b) Why are some of the percentages integers and others not?

The equivalent fractions out of 100 are not whole numbers.

4. The attendance of two classes on Friday was:

Class X had 3 pupils absent out of 29

Class Y had 4 pupils absent out of 31

a) Work out the percentage attendance of each class, give your answer to the nearest whole percent.

Class A = 90% Class B = 87%

b) Which class had the highest percentage attendance? Class A