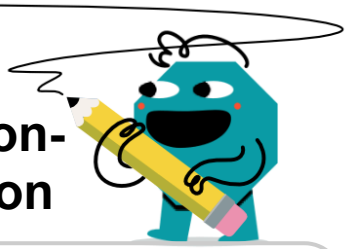
Name

Repeating Decimals to Fractions - 1 Non-Repeating, 1 Repeating - Setup Equation



1

$p = 8.1\overline{2}$

Set up the two equations that will help you change this repeating decimal into a fraction

A	B
$1000p = 812.\overline{2}$	$100p = 812.\overline{2}$
$10p = 81.\overline{2}$	$10p = 81.\overline{2}$

2

$z = 7.4\overline{8}$

Set up the two equations that will help you change this repeating decimal into a fraction

A	B
$100z = 748.\overline{8}$	$100z = 748.\overline{8}$
$10z = 740.\overline{8}$	$10z = 74.\overline{8}$

3

$m = 5.2\overline{3}$

Set up the two equations that will help you change this repeating decimal into a fraction

A	B
$100m = 523.\overline{3}$	$100m = 55.\overline{3}$
$10m = 52.\overline{3}$	$10m = 52.\overline{3}$

4

$p = 6.5\overline{1}$

Set up the two equations that will help you change this repeating decimal into a fraction

A	B
$100p = 651.\overline{1}$	$100p = 66.\overline{1}$
$10p = 65.\overline{1}$	$10p = 65.\overline{1}$

5

$x = 8.5\overline{1}$

Set up the two equations that will help you change this repeating decimal into a fraction

A	B
$100x = 851.\overline{1}$	$10x = 851.\overline{1}$
$10x = 85.\overline{1}$	$10x = 85.\overline{1}$

6

$y = 6.8\overline{4}$

Set up the two equations that will help you change this repeating decimal into a fraction

A	B
$100y = 684.\overline{4}$	$100y = 72.\overline{4}$
$10y = 68.\overline{4}$	$10y = 68.\overline{4}$

7

$r = 5.3\overline{8}$

Set up the two equations that will help you change this repeating decimal into a fraction

A	B
$100r = 538.\overline{8}$	$100r = 61.\overline{8}$
$10r = 53.\overline{8}$	$10r = 53.\overline{8}$

8

$z = 7.3\overline{5}$

Set up the two equations that will help you change this repeating decimal into a fraction

A	B
$100z = 735.\overline{5}$	$100z = 7305.\overline{5}$
$10z = 73.\overline{5}$	$10z = 73.\overline{5}$