Name

Repeating Decimals to Fractions - 0 Non-Repeating, 1 Repeating - Setup Equation

1

$m = 0.\overline{1}$

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

A	B
$10m = 1.\overline{1}$	$10m = 1.\overline{1}$
$10m = 0.\overline{1}$	$1m = 0.\overline{1}$

2

$z = 0.\overline{3}$

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

A	B
$10z = 3.\overline{3}$	$1z = 3.\overline{3}$
$1z = 0.\overline{3}$	$1z = 0.\overline{3}$

3

$m = 0.\overline{7}$

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

A	B
$10m = 7.\overline{7}$	$100m = 7.\overline{7}$
$1m = 0.\overline{7}$	$1m = 0.\overline{7}$

4

$p = 0.\overline{6}$

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

A	B
$10p = 6.\overline{6}$	$1p = 6.\overline{6}$
$1p = 0.\overline{6}$	$1p = 0.\overline{6}$

5

$x = 0.\overline{2}$

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

A	B
$10x = 2.\overline{2}$	$10x = 2.\overline{2}$
$1x = 0.\overline{2}$	$10x = 0.\overline{2}$

6

$n = 0.\overline{5}$

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

A	B
$10n = 5.\overline{5}$	$1n = 5.\overline{5}$
$1n = 0.\overline{5}$	$1n = 0.\overline{5}$

7

$r = 0.\overline{9}$

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

A	B
$10r = 9.\overline{9}$	$1r = 9.\overline{9}$
$1r = 0.\overline{9}$	$1r = 0.\overline{9}$

8

$x = 0.\overline{5}$

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

A	B
$10x = 5.\overline{5}$	$100x = 5.\overline{5}$
$1x = 0.\overline{5}$	$1x = 0.\overline{5}$