



Repeating Decimals to Fractions - 1 Non-Repeating, 2 Repeating - Setup Equation

1

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

$$p = 4.2\overline{30}$$

A	$10000p = 4230.\overline{30}$
	$10p = 42.\overline{30}$

B	$1000p = 4230.\overline{30}$
	$10p = 42.\overline{30}$

2

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

$$m = 2.1\overline{16}$$

A	$1000m = 2116.\overline{16}$
	$10m = 21.\overline{16}$

B	$1000m = 2116.\overline{16}$
	$100m = 21.\overline{16}$

3

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

$$t = 2.5\overline{51}$$

A	$1000t = 2551.\overline{51}$	B	$1000t = 2551.\overline{51}$
	$10t = 25.\overline{51}$		$10t = 25.\overline{51}$

4

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

$$w = 2.5\overline{40}$$

A	$1000w = 2540.\overline{40}$
	$1w = 25.\overline{40}$

B	$1000w = 2540.\overline{40}$
	$10w = 25.\overline{40}$

5

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

$$y = 5.7\overline{51}$$

A	$1000y = 5751.\overline{51}$
	$10y = 57.\overline{51}$

B	$1000y = 621.\overline{51}$
	$10y = 57.\overline{51}$

6

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

$$t = 3.5\overline{31}$$

A	$1000t = 3531.\overline{31}$
	$10t = 35.\overline{31}$

B	$1000t = 35031.\overline{31}$
	$10t = 35.\overline{31}$

7

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

$$q = 3.4\overline{59}$$

A	$1000q = 3459.\overline{59}$
	$10q = 34.\overline{59}$

B	$1000q = 3459.\overline{59}$
	$100q = 34.\overline{59}$

8

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

$$r = 2.2\overline{92}$$

A	$1000r = 22092.\overline{92}$
	$10r = 22.\overline{92}$

B	$1000r = 2292.\overline{92}$
	$10r = 22.\overline{92}$