

Recurring Decimals (A)

(Without simplification)



Section A

Recurring decimal	Fraction
$0.\dot{7}$	
$0.\dot{5}$	
$0.\dot{2}$	
$0.\dot{1}$	
$0.\dot{4}$	
$0.\dot{8}$	
$2.\dot{7}$	
$1.\dot{8}$	
$3.\dot{2}$	

Recurring decimal	Fraction
	$\frac{2}{9}$
	$\frac{8}{9}$
	$\frac{3}{9}$
	$\frac{7}{9}$
	$\frac{5}{9}$

What do you notice?

Section B

Recurring decimal	Fraction
$0.4\dot{1}$	
$0.7\dot{3}$	
$0.8\dot{9}$	
$0.3\dot{2}$	
$0.4\dot{9}$	
$0.0\dot{1}$	
$0.0\dot{4}$	
$0.0\dot{7}$	
$1.0\dot{8}$	

Recurring decimal	Fraction
	$\frac{16}{99}$
	$\frac{13}{99}$
	$\frac{82}{99}$
	$\frac{5}{99}$
	$\frac{7}{99}$

What do you notice?

Section C

Recurring decimal	Fraction
$0.\dot{8}1\dot{2}$	
$0.\dot{2}4\dot{6}$	
$0.\dot{3}0\dot{5}$	
$0.\dot{7}7\dot{7}$	
$0.\dot{0}0\dot{7}$	
$0.\dot{6}3\dot{9}$	
$0.\dot{4}6\dot{8}$	
$0.\dot{8}3\dot{7}$	

Recurring decimal	Fraction
	$\frac{456}{999}$
	$\frac{672}{999}$
	$\frac{78}{999}$
	$\frac{2}{999}$
	$\frac{1}{999}$

What do you notice?

Section D

Recurring decimal	Fraction
$0.1\dot{8}$	
$0.2\dot{5}$	
$0.7\dot{4}$	
$0.4\dot{1}$	
$0.0\dot{2}$	
$0.0\dot{8}$	
$0.5\dot{8}\dot{2}$	
$0.1\dot{2}\dot{6}$	
$0.9\dot{3}\dot{5}$	
$0.0\dot{9}\dot{2}$	
$0.0\dot{8}\dot{1}$	
$0.00\dot{1}$	

Recurring decimal	Fraction
	$\frac{2}{9}$
	$\frac{8}{9}$
	$\frac{85}{99}$
	$\frac{29}{99}$
	$\frac{178}{999}$
	$\frac{1}{999}$

What do you notice?