

Math worksheet 2 | Lower Secondary

(Recurring decimals) Stage (6-8)

1st Semester | 2023-2024

Subject: Math

Chapter: 6

Objectives: To practice how to convert recurring decimals to fractions.

Question: Change the below recurring decimals to fractions, cancel them to their simplest form if necessary:

$0.\dot{1} =$	$\frac{1}{9}$	$0.1\dot{7} =$	$\frac{17}{99}$
$0.\dot{3} =$	$\frac{3}{9} = \frac{1}{3}$	$0.01\dot{8} =$	$\frac{18}{990} = \frac{1}{55}$
$0.00\dot{6} =$	$\frac{6}{900} = \frac{1}{150}$	$0.004\dot{5} =$	$\frac{45}{9900} = \frac{1}{220}$
$0.8\dot{1} =$	$\frac{81}{99} = \frac{9}{11}$	$0.3\dot{6} =$	$\frac{36}{99} = \frac{4}{11}$
$0.0\dot{6} =$	$\frac{6}{99} = \frac{2}{33}$	$0.05\dot{4} =$	$\frac{54}{999} = \frac{2}{37}$
$0.3\dot{0} =$	$\frac{30}{99} = \frac{10}{33}$	$0.12\dot{6} =$	$\frac{126}{999} = \frac{14}{111}$
$0.0\dot{2}\dot{7} =$	$\frac{27}{999} = \frac{1}{37}$	$0.\dot{6}0\dot{0} =$	$\frac{600}{999} = \frac{200}{333}$