The National Orthodox School Shmaisani

Math Worksheet (2)

Recurring decimals

Change these recurring decimals to fractions, cancel them to their simplest form if necessary:

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