Recurring decimals to fractions *lesson handout*

We do

Write $0.\dot{1}$ as a fraction.

$____ = \square.\square\square\square\square\square\square\ldots$

$x = 0.111111\ldots$

You do

Write $0.\dot{5}$ as a fraction.

$____ = \square.\square\square\square\square\square\square\ldots$

$____ = \square.\square\square\square\square\square\square\ldots$

You do

Write $0.\dot{6}$ as a fraction in its simplest form.

$____ = \square.\square\square\square\square\square\square\ldots$

$____ = \square.\square\square\square\square\square\square\ldots$

We do

Write $0.\dot{5}\dot{2}$ as a fraction.

$____ = \square\square.\square\square\square\square\square\square\ldots$

$x = 0.525252\ldots$

You do

Write $0.8\dot{1}$ as a fraction in its simplest form.

$____ = \square\square.\square\square\square\square\square\square\ldots$

$____ = \square.\square\square\square\square\square\square\ldots$

You do

Write $0.\dot{0}\dot{4}$ as a fraction.

$____ = \square.\square\square\square\square\square\square\ldots$

$____ = \square.\square\square\square\square\square\square\ldots$