Types of Dec

Connect

Changing fractions to decimals

Rational numbers

I do ✱ **All rational numbers can be re**
either terminating decimals or rep

Terminating Decimals	**Repeating De**
$4\frac{1}{2}$	$5\frac{1}{3}$
$-6\frac{5}{8}$	$-4\frac{4}{9}$
$\frac{17}{16}$	$\frac{15}{7}$

I do

All terminating and repeating rational nun

Terminating De

$12.5 \rightarrow 12\frac{5}{10} \rightarrow \frac{125}{10}$

rational

$-6.22 \rightarrow -6\frac{22}{100}$

rational

$\downarrow$

$-6\frac{11}{50}$

$-\frac{311}{50}$

Repeating De

$.\overline{3} \rightarrow \frac{1}{3}$

$.\overline{2} \rightarrow \frac{2}{9}$

$-5.\overline{123} \rightarrow 5\frac{?}{?}$

We do

All rational numbers can be shown as decimals or terminatin

Terminating De

$-2\frac{8}{10}$

$5\frac{11}{20}$

$-\frac{11}{12}$

Repeating De

$1\frac{1}{3}$

$-2\frac{5}{7}$

$\frac{5}{11}$

We do

All terminating decimals and repe
are rational nu

Terminating De	**Repeating De**
3.25	$5.\overline{6}$
-12.45	$-.\overline{142857}$

You do together
on whiteboard

Is this a terminating or repea

$-2\frac{6}{15}$ $\frac{9}{11}$

Is this a rational r

-3.25 $-3.\overline{25}$

You do alone on
index card

Is this a terminating or repea

$1\frac{4}{7}$ $-6\frac{23}{25}$

Is this a rational r

$1.\overline{234}$ $3.25678\overline{16}$