Unit: Real Number System
Homework 1

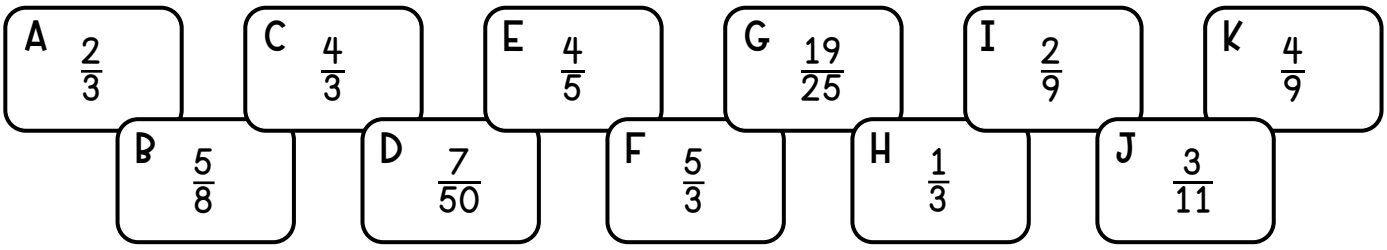
Name _____

Date _____ Pd_____

FRACTIONS AND DECIMALS

1. Which of the following fractions converts to a repeating decimal?	2. Which of the following fractions converts to a terminating decimal greater than one?
a. $\frac{7}{8}$	a. $\frac{4}{3}$
b. $\frac{3}{5}$	b. $\frac{7}{2}$
c. $\frac{5}{2}$	c. $\frac{1}{4}$
d. $\frac{2}{9}$	d. $\frac{13}{11}$

In 3-8, record the letter of the fraction card that is equivalent to the given decimal representation. Not all cards will be used.



3.	4.	5.
0.14 _____	$0.\overline{2}$ _____	0.76 _____
6.	7.	8.
$0.\overline{2727}$ _____	0.625 _____	$0.\overline{6}$ _____

9. Three students wrote equivalent fractions and decimals as shown. Circle the name of the student who made a mistake and rewrite their statement correctly.

SHAWNA	KEITH	SOREN
$\frac{1}{33} = 0.\overline{03}$	$0.04 = \frac{2}{5}$	$\frac{5}{6} = 0.8\overline{3}$