



Name: _____



1) Determine if the following fractions are converted to recurring decimals or not:

a) $\frac{1}{2}$	No	f) $\frac{6}{10}$	No	k) $\frac{5}{6}$	Yes
b) $\frac{1}{3}$	Yes	g) $\frac{5}{14}$	Yes	l) $\frac{8}{12}$	Yes
c) $\frac{3}{4}$	No	h) $\frac{3}{15}$	Yes	m) $\frac{15}{25}$	No
d) $\frac{8}{10}$	No	i) $\frac{6}{12}$	Yes	n) $\frac{5}{11}$	Yes
e) $\frac{5}{9}$	Yes	j) $\frac{9}{24}$	Yes	o) $\frac{17}{68}$	Yes

2) Write these numbers using the correct recurring decimal notation:

a) 0.4444444...	$0.\dot{4}$	f) 2.7444444...	$2.7\dot{4}$	k) 0.102102102...	$0.\dot{1}0\dot{2}$
b) 0.7777777...	$0.\dot{7}$	g) 0.5255555...	$0.52\dot{5}$	l) 5.215215215...	$5.\dot{2}1\dot{5}$
c) 0.4666666...	$0.4\dot{6}$	h) 38.25555...	$38.2\dot{5}$	m) 9.11221122...	$9.\dot{1}1\dot{2}\dot{2}$
d) 3.2222222...	$3.\dot{2}$	i) 4.7272727...	$4.\dot{7}\dot{2}$	n) 0.84188418...	$0.\dot{8}4\dot{1}\dot{8}$
e) 4.5454545...	$4.\dot{5}\dot{4}$	j) 0.6585858...	$0.6\dot{5}\dot{8}$	o) 32.3244244...	$32.3\dot{2}4\dot{4}$

3) Write these numbers using the correct recurring decimal notation:

a) $\frac{4}{9}$	$0.\dot{4}$	e) $\frac{5}{12}$	$0.41\dot{6}$
b) $\frac{1}{6}$	$0.1\dot{6}$	f) $\frac{3}{11}$	$0.\dot{2}\dot{7}$
c) $\frac{7}{9}$	$0.\dot{7}$	g) $\frac{2}{7}$	$0.\dot{2}8571\dot{4}$
d) $\frac{5}{9}$	$0.\dot{5}$	h) $\frac{2}{9}$	$0.\dot{2}$

Exam question:

Shown below are five fractions.

$\frac{3}{8}$ $\frac{1}{6}$ $\frac{4}{13}$ $\frac{9}{20}$ $\frac{3}{14}$

Circle any fractions which are recurring decimals.

