



Name: _____



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

a) $\frac{1}{2}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> b) $\frac{1}{3}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> c) $\frac{3}{4}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> d) $\frac{8}{10}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> e) $\frac{5}{9}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/>	f) $\frac{6}{10}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> g) $\frac{5}{14}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> h) $\frac{3}{15}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> i) $\frac{6}{12}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> j) $\frac{9}{24}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/>	k) $\frac{5}{6}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> l) $\frac{8}{12}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> m) $\frac{15}{25}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> n) $\frac{5}{11}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> o) $\frac{17}{68}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/>
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2) Write these numbers using the correct recurring decimal notation:

a) 0.4444444... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> b) 0.7777777... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> c) 0.4666666... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> d) 3.2222222... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> e) 4.5454545... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/>	f) 2.7444444... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> g) 0.5255555... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> h) 38.25555... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> i) 4.7272727... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> j) 0.6585858... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/>	k) 0.102102102... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> l) 5.215215215... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> m) 9.11221122... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> n) 0.84188418... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> o) 32.3244244... <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/>
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3) Write these numbers using the correct recurring decimal notation:

a) $\frac{4}{9}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> b) $\frac{1}{6}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> c) $\frac{7}{9}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> d) $\frac{5}{9}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/>	e) $\frac{5}{12}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> f) $\frac{3}{11}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> g) $\frac{2}{7}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/> h) $\frac{2}{9}$ <input style="width: 100%; height: 30px; border: 1px dotted black;" type="text"/>
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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.

