

**RECURRING DECIMALS – PRACTICE QUESTIONS
NON-CALCULATOR**



1.
Put the following numbers into order, smallest to largest.

$0.3\dot{4}$

0.3

0.4

$0.3\dot{5}$

2.
Put the following numbers into order, smallest to largest.

$0.4\dot{7}$

$0.\dot{4}7$

0.47

$0.\dot{4}$

3.
Put the following numbers into order, smallest to largest.

$0.19\dot{7}$

$0.1\dot{9}$

$0.1\dot{7}$

0.19

4.
Put the following numbers into order, smallest to largest.

$0.3\dot{8}$

$0.\dot{3}8$

$0.\dot{3}3\dot{8}$

$0.\dot{3}8\dot{8}$

5.
Put the following numbers into order, smallest to largest.

$0.2\dot{5}$

$0.25\dot{2}$

$0.2\dot{5}$

$0.25\dot{2}$

6.

Write $0.\overline{4}$ as a fully simplified fraction.

7.

Write $0.\overline{7}$ as a fully simplified fraction.

8.

Write $0.\overline{12}$ as a fully simplified fraction.

9.

Write $0.\overline{85}$ as a fully simplified fraction.

10.

Write $0.\dot{1}0\dot{4}$ as a fully simplified fraction.

11.

Write $0.\dot{9}3\dot{6}$ as a fully simplified fraction.

12.

Write $0.\dot{4}7$ as a fully simplified fraction.

13.

Write $0.\dot{1}6\dot{2}$ as a fully simplified fraction.

14.

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

15.

Write $0.\dot{6}\dot{7}$ as a fully simplified fraction.

16.

Write $0.\dot{2}1\dot{6}$ as a fully simplified fraction.

17.

Write $0.\dot{2}3\dot{1}$ as a fully simplified fraction.

18.

Write $0.2\bar{6}$ as a fully simplified fraction.

19.

Write $0.8\bar{1}$ as a fully simplified fraction.

20.

Write $0.9\bar{7}5$ as a fully simplified fraction.

21.

Write $0.1\bar{8}0$ as a fully simplified fraction.

22.

Write $0.4\overline{354}$ as a fully simplified fraction.

23.

Write $0.8\overline{328}$ as a fully simplified fraction.

24.

Write $1.\overline{19}$ as a fully simplified mixed number.

25.

Write $5.\overline{12}$ as a fully simplified mixed number.