



New Maths GCSE: N10 - Recurring Decimals to Fractions

Name:

Date:

No calculator allowed

$0.\dot{1}$

What is the above recurring decimal as a fraction?

A	$\frac{1}{10}$	B	$\frac{1}{9}$
C	$\frac{1}{11}$	D	$\frac{11}{100}$

Correct Answer: A B C D

Explanation:

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No calculator allowed

$0.3\dot{7}$

What is the above recurring decimal as a fraction?

A	$\frac{37}{90}$	B	$\frac{37}{100}$
C	$\frac{34}{90}$	D	$\frac{37}{99}$

Correct Answer: A B C D

Explanation:

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No calculator allowed

$0.\dot{4}\dot{1}$

What is the above recurring decimal as a fraction?

A	$\frac{41}{99}$	B	$\frac{41}{90}$
C	$\frac{41}{100}$	D	$\frac{410}{999}$

Correct Answer: A B C D

Explanation:

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No calculator allowed 

0.23232323 ...

What is the above recurring decimal as a fraction?

A $\frac{23}{90}$ B $\frac{23}{100}$
 C $\frac{230}{999}$ D $\frac{23}{99}$

Correct Answer: A B C D

Explanation:

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No calculator allowed 

0.55555 ...

What is the above recurring decimal as a fraction?

A $\frac{555}{1000}$ B $\frac{55}{100}$
 C $\frac{5}{11}$ D $\frac{5}{9}$

Correct Answer: A B C D

Explanation:

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No calculator allowed 

0.63333333 ...

What is the above recurring decimal as a fraction?

A $\frac{63}{90}$ B $\frac{63}{99}$
 C $\frac{57}{99}$ D $\frac{57}{90}$

Correct Answer: A B C D

Explanation:

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No calculator allowed 

0.8̇

What is the above recurring decimal as a fraction?

A $\frac{88}{90}$ B $\frac{8}{10}$
 C $\frac{8}{11}$ D $\frac{8}{9}$

Correct Answer: A B C D

Explanation:

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No calculator allowed

$0.\dot{7}\dot{9}$

What is the above recurring decimal as a fraction?

A $\frac{79}{90}$ B $\frac{79}{99}$
 C $\frac{79}{999}$ D $\frac{79}{100}$

Correct Answer: A B C D

Explanation:

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No calculator allowed

$0.21555555 \dots$

What is the above recurring decimal as a fraction?

A $\frac{194}{900}$ B $\frac{215}{1000}$
 C $\frac{215}{999}$ D $\frac{215}{900}$

Correct Answer: A B C D

Explanation:

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No calculator allowed

$0.\dot{3}1\dot{9}$

What is the above recurring decimal as a fraction?

A $\frac{288}{900}$ B $\frac{319}{999}$
 C $\frac{319}{990}$ D $\frac{31}{99}$

Correct Answer: A B C D

Explanation:

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