

Recurring Decimals

Answers

1

Sample B Higher Calc Paper 3

19 Prove algebraically that the recurring decimal 0.318 can be written as $\frac{7}{22}$



21
$$x = 0.045$$

Provealgebraically that x can be written as $\frac{1}{22}$
 $x = 0.045454545...$

10 $x = 0.454545...$

1000 $x = 45.4545...$

21 $x = 0.0454545...$

1000 $x = 45.454545...$

22 $x = 0.0454545...$

24 $x = 0.0454545...$

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20 $x = 0.0454545.$

(Total for Question 15 is 2 marks)