

**Higher IGCSE (9 – 1) Revision Pack**

**Recurring Decimals**

**Name --------------------------------**

**Questions**

  
**Q1.**

Show that the recurring decimal

**(Total for question = 2 marks)**

**Q2.**

Show that the recurring decimal

**(Total for question is 2 marks)**

**Q3.**

Show that the recurring decimal

**(Total for Question is 2 marks)**

**Q4.**

Use algebra to show that the recurring decimal

**(Total for question = 2 marks)**

**Q5.**

Use algebra to show that the recurring decimal

**(Total for question = 2 marks)**

**Q6.**

Prove algebraically that the recurring decimal  can be written as the fraction

**(Total for question = 3 marks)**

**Q7.**

Prove algebraically that the recurring decimal . has the value

**(Total for question = 2 marks)**

**Q8.**

Express the recurring decimal as a fraction in its simplest form.

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**(Total for Question is 3 marks)**

**Q9.**

Prove algebraically that the recurring decimal  can be written as

**(Total for question = 2 marks)**

**Q10.**



Prove algebraically that *x* can be written as

**(Total for question = 3 marks)**

**End of questions**