

GCSE Mathematics

H

Recurring Decimals to Fractions Practice

Higher, Grade 7-8

Total Marks	Time	Questions
44	44 min	20

Instructions:

- Do not use a calculator when you see: 
- Answer all questions in the spaces provided.
- Show all your working - marks are awarded for method as well as final answers.
- Cross through any work you do not want to be marked.
- Check your answers if you have time at the end.

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Edexcel-style questions**Q1** 

Grade 7

Edexcel style

Convert $0.\dot{7}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]**Q2** 

Grade 7

Edexcel style

Convert $0.\dot{1}\dot{8}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]**Q3** 

Grade 8

Edexcel style

Convert $0.1\dot{6}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]

Q4

Grade 7

Edexcel style

Convert $2.\dot{3}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]**Q5**

Grade 8

Edexcel style

Prove that $0.\dot{3}\dot{6}$ is equal to $\frac{4}{11}$.

Answer

teachably

[3 marks]

AQA-style questions**Q6** 

Grade 7

AQA style

Convert $0.\dot{4}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]**Q7** 

Grade 7

AQA style

Convert $0.2\dot{7}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]**Q8** 

Grade 8

AQA style

Convert $0.58\dot{3}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]

Q9

Grade 7

AQA style

Convert $3.\dot{6}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]**Q10**

Grade 8

AQA style

Prove that $0.\dot{4}\dot{5}$ is equal to $\frac{5}{11}$.

Answer

teachably

[3 marks]

OCR-style questions**Q11** 

Grade 7

OCR style

Convert $0.\dot{5}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]**Q12** 

Grade 7

OCR style

Convert $0.3\dot{6}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]**Q13** 

Grade 8

OCR style

Convert $0.2\dot{3}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]

Q14

Grade 8

OCR style

Convert $1.\dot{2}\dot{7}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]**Q15**

Grade 8

OCR style

Prove that $0.\dot{5}$ is equal to $\frac{5}{9}$.

Answer

teachably

[3 marks]

Teachably-style questions**Q16** 

Grade 7

Teachably style

Convert $0.\dot{2}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]**Q17** 

Grade 7

Teachably style

Convert $0.4\dot{5}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]**Q18** 

Grade 8

Teachably style

Convert $0.41\dot{6}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]

Q19

Grade 7

Teachably style

Convert $4.\dot{5}$ to a fraction in its simplest form.

Answer

teachably

[2 marks]**Q20**

Grade 8

Teachably style

Prove that $0.\dot{2}\dot{7}$ is equal to $\frac{3}{11}$.

Answer

teachably

[3 marks]**END OF PAPER****Want help from an expert maths tutor?**

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