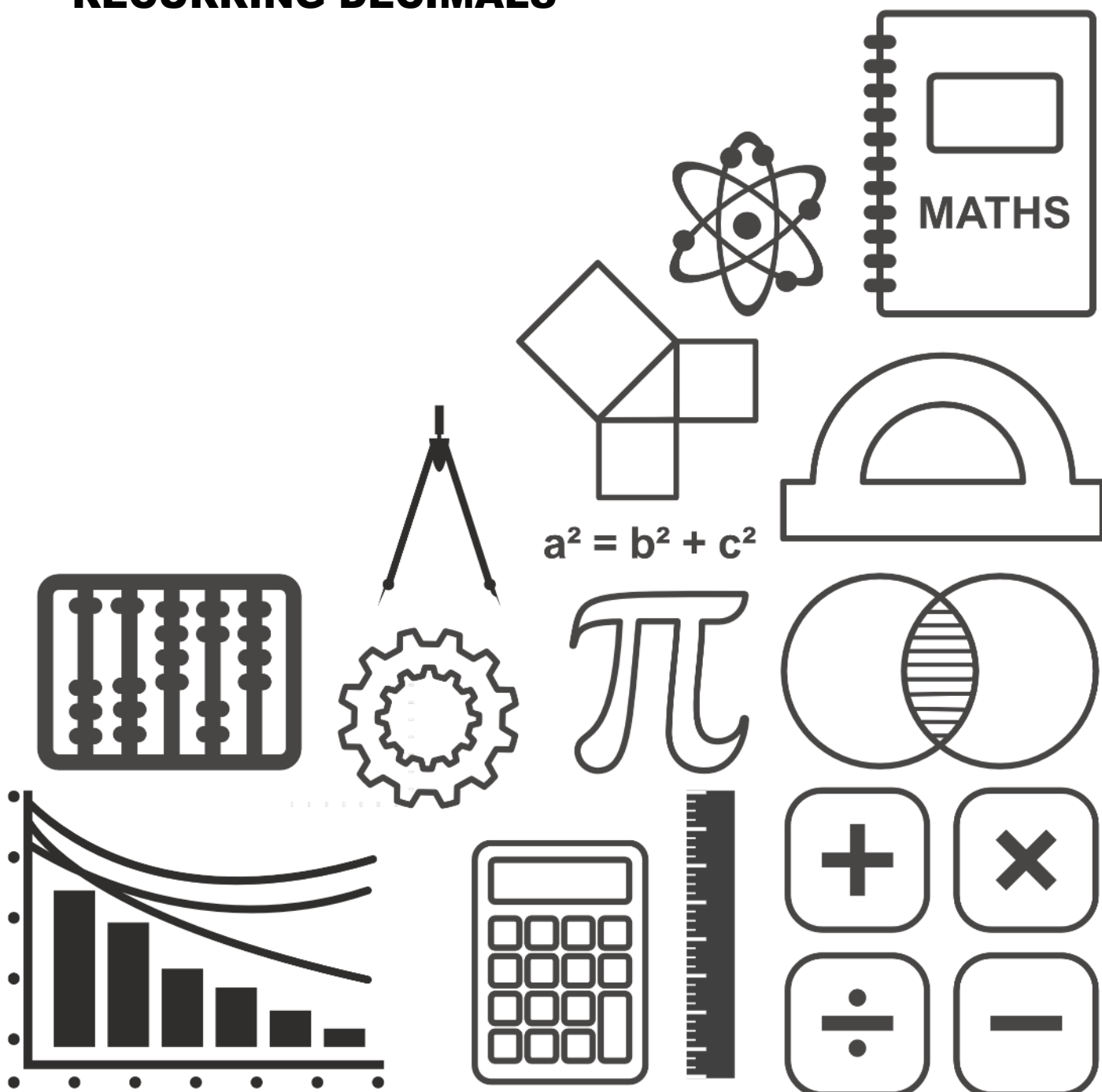


MATHSDIY

GCSE TOPIC BOOKLET RECURRING DECIMALS



1. Complete the following table.

Fraction	Decimal	Recurring or terminating?
$\frac{1}{3}$	0.3	recurring
$\frac{5}{8}$		
$\frac{3}{11}$		
$\frac{11}{20}$		

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(4)

2. Complete the following table.

Fraction	Decimal	Recurring or terminating?
$\frac{2}{3}$	0.6	recurring
	0.15	
$\frac{7}{11}$		
$\frac{1}{9}$		

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(4)

3. Express $0.\dot{8}\dot{3}$ as a fraction.

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(2)

4. Express $0.6\dot{2}\dot{4}$ as a fraction.

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5. Express $0.34\dot{2}\dot{7}$ as a fraction.

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(2)

6. Express $0.\overline{381}$ as a fraction.

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(2)

7. Express $0.\overline{37}$ as a fraction.

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(2)

8. Express $0.\overline{825}$ as a fraction.

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(2)

9. Express $0.0\dot{5}1$ as a fraction.

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(2)

10. Express $0.27\dot{4}$ as a fraction.

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(2)

11. Express $0.1\dot{4}\dot{3}$ as a fraction.

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(2)