

UNIT 10 *Equations*

Lesson Plans

St

<i>Lesson No.</i>		<i>References</i>
1	Negative Numbers	
	Revision: worked examples	T 10.1
	Exercises	T 10.1
	Homework	P 10.1
2	Using Negative Numbers	
	Rules for multiplication and division	OS 10.1
	Exercises	T 10.2
	Homework	P 10.2
3	Simplifying Expressions	
	Overview: worked examples	T 10.3 and OS 10.2
	Exercises	T 10.3
	Homework	P 10.3
4	Simple Equations	
	Introduction	OS 10.3
	Activity	A 10.1
	Exercises	T 10.4
	Homework	P 10.4
5	Solving Equations 1	
	Activity	A 10.2
	Exercises	T 10.5
	Homework	P 10.5
6	Solving Equations 2	
	Reinforcement of methods	T 10.5
	Exercises	T 10.5
	Homework	P 10.5 (Q.11)
7	Trial and Improvement	
	Introduction	OS 10.4
	Exercises	T 10.6
	Homework	P 10.6 (Q. 5 and 6)

UNIT 10 *Equations***Lesson Plans****S**

8 Expanding Brackets

Mental Test

M 10.1

Exercises

T 10.7

Homework

P 10.7 (Q. 5)

UNIT 10 *Equations*

Lesson Plans

A

<i>Lesson No.</i>		<i>References</i>
1	Using Negative Numbers	
	Rules for multiplication and division	OS 10.1
	Exercises	T 10.2
	Homework	P 10.2
2	Simplifying Expressions	
	Overview: worked examples	T 10.3 and OS 10.2
	Exercises	T 10.3
	Homework	P 10.3
3	Simple Equations	
	Introduction	OS 10.3
	Activity	A 10.1
	Exercises	T 10.4
	Homework	P 10.4
4	Solving Equations 1	
	Activity	A 10.2
	Exercises	T 10.5
	Homework	P 10.5
5	Solving Equations 2	
	Reinforcement of methods	T 10.5
	Exercises	T 10.5
	Homework	P 10.5 (Q.11)
6	Trial and Improvement	
	Introduction	OS 10.4
	Exercises	T 10.6
	Homework	P 10.6 (Q. 5 and 6)
7	Expanding Brackets	
	Mental Test	M 10.1
	Exercises	T 10.7
	Homework	P 10.7 (Q. 5)

UNIT 10 *Equations***Lesson Plans****A**

8 Simultaneous Equations 1

Mental Test	M 10.2
Introduction	T 10.8
Exercises	T 10.8
Homework	P 10.8

9 Simultaneous Equations 2

Activity	A 10.3 or 10.4
Exercises	T 10.8
Homework	P 10.8 (Q. 10)

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Lesson Plans

E

<i>Lesson No.</i>		<i>References</i>
1	Simplifying Expressions	
	Overview: worked examples	T 10.3 and OS 10.2
	Exercises	T 10.3
	Homework	P 10.3
2	Simple Equations	
	Introduction	OS 10.3
	Activity	A 10.1
	Exercises	T 10.4
	Mental Test	M9.1
	Homework	P 10.4
3	Solving Equations	
	Activity	A 10.2
	Exercises	T 10.5
	Homework	P 10.5 (Q. 11)
4	Trial and Improvement	
	Introduction	OS 10.4
	Exercises	T 10.6
	Homework	P 10.6 (Q. 5 and 6)
5	Expanding Brackets	
	Mental Test	M 10.1
	Exercises	T 10.7
	Homework	P 10.7 (Q. 5)
6	Simultaneous Equations	
	Introduction	T 10.8
	Exercises	T 10.8
	Activity	A 10.3 or 10.4
	Homework	P 10.8 (Q. 10)

UNIT 10 *Equations***Lesson Plans****E**

7	Factorisation 1	
	Introduction	T 10.9
	Exercises	T 10.9
	Homework	P 10.9
8	Factorisation 2	
	Quadratics	OS 10.5
	Exercises	T 10.10
	Homework	P 10.10
9	Solving Quadratics by Factorisation	
	Introduction	T 10.11
	Exercises	T 10.11
	Homework	P 10.11
10	Solving Quadratics by Formula	
	Introduction	OS 10.6
	Exercises	T 10.12
	Number of roots	OS 10.7
	Homework	P 10.12 (Q. 8 and 10)
11	Algebraic Fractions	
	Mental Test	M10.3
	Introduction	T 10.13
	Exercises	T 10.13
	Homework	P 10.13
12	Completing the Square	
	Introduction	T 10.14
	Exercises	T 10.14
	Homework	P 10.14 (Q. 6)
13	Algebraic Manipulation	
	Mental Test	M 10.4
	Exercises	T 10.15
	Homework	P 10.15