

UNIT 1 *Base Arithmetic*

Lesson Plans

St

These are based on 45/50 minute lessons.

<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
1.	Binary Numbers Introduction to concept Binary to base 10 Exercises - interactively Base 10 to binary Exercises - interactively Set homework	OS 1.1 PB 1.1, Q1 OS 1.2 PB 1.1, Q2 PB 1.1, Q3, Q4 and Q5
2.	Binary Addition Discuss homework Activity Introduction Exercises - interactively Activity Set homework	Activity 1.1 OS 1.3 PB 1.2, Q1 Activity 1.2 Complete Activity 1.2 or PB 1.2, Q3 and Q4
3.	Binary Subtraction Discuss homework Introduction Exercises - interactively Mental Test Review answers Set homework	OS 1.4 PB 1.2, Q2 M 1.1 PB 1.2, Q6 and Q7
4.	Multiplying Binary Numbers Discuss homework Introduction Exercises Review answers Activity Set homework	OS 1.5 PB 1.3, Q2 Activity 1.3 or Activity 1.5 Complete Activity 1.3 or Activity 1.5 or PB 1.3, Q1
5.	Revision Test Discuss homework Revision Test	RT 1.1
6.	Recap Give back marked tests Go over test questions interactively Revise topics	

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1.	Binary Numbers	
	Introduction to concept	
	Binary to base 10	OS 1.1
	Exercises - interactively	PB 1.1, Q1
	Base 10 to binary	OS 1.2
	Exercises - interactively	PB 1.1, Q2
	Activity	Activity 1.1
	Exercises	PB 1.1, Q3
	Review answers	
	Set homework	PB 1.1, Q5, Q7 and Q8
2.	Binary Arithmetic	
	Discuss homework	
	Introduction to binary addition	OS 1.3
	Exercises - interactively	PB 1.2, Q1
	Introduction to binary subtraction	OS 1.4
	Exercises - interactively	PB1.2, Q2
	Activity	Activity 1.2
	Set homework	PB 1.2, Q4, Q5 and Q6
3.	Multiplying Binary Numbers	
	Discuss homework	
	Introduction	OS 1.5
	Exercises - interactively	PB 1.3, Q1
	Exercises	PB 1.3, Q3
	Review answers	
	Mental Test	M 1.2
	Review answers	
	Set homework	PB 1.3, Q2 or Activity 1.5
4.	Other Bases	
	Discuss homework	
	Introduction	OS 1.6 and OS 1.7
	Exercises	PB 1.4, Q1
	Review answers	
	Activity	Activity 1.3
	Set homework	PB 1.4, Q5 and Q6

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5.	Revision Test Discuss homework Revision Test	RT 1.2
6.	Recap Give back marked tests Go over test questions interactively Revise topics	

UNIT 1 *Base Arithmetic*

E

<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
1.	Binary Numbers Introduction to concept Binary to base 10 Exercises - interactively Base 10 to binary Exercises - interactively Activity Exercises Review answers Set homework	 OS 1.1 PB 1.1, Q1 OS 1.2 PB 1.1, Q2 Activity 1.1 PB 1.1, Q3 PB 1.1, Q5, Q7 and Q8
2.	Binary Arithmetic Discuss homework Introduction to binary addition Exercises - interactively Introduction to binary subtraction Exercises - interactively Activity Set homework	 OS 1.3 PB 1.2, Q1 OS 1.4 PB 1.2, Q2 Activity 1.2 PB 1.2, Q4, Q5 and Q6
3.	Multiplying Binary Numbers Discuss homework Introduction Exercises - interactively Exercises Review answers Mental Test Review answers Set homework	 OS 1.5 PB 1.3, Q1 PB 1.3, Q3 M 1.3 PB 1.3, Q4, Q5 and Q6
4.	Other Bases Discuss homework Introduction Exercises Review answers Exercises Review answers Activity Set homework	 OS 1.6 and OS 1.7 PB 1.4, Q1 PB 1.4, Q4 Activity 1.4 PB 1.4, Q7 and Q8 or Activity 1.3

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
5.	Revision Test Discuss homework Revision Test	RT 1.3
6.	Recap Give back marked tests Go over test questions interactively Revise topics	
