

UNIT 2 *Factors*

Lesson Plans

St

These are based on 45/50 minute lessons.

<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
1.	Factors and Prime Numbers	
	Introduction	OS 2.1
	Exercises	PB 2.1, Q1
	Review answers	
	Divisibility rules - simple examples	OS 2.2
	Exercises	PB 2.1, Q3
	Review answers	
	Set homework	PB 2.1, Q4 and Q5
2.	Prime Numbers	
	Discuss homework	
	Activity - interactive discussion	Activity 2.1 or OS 2.3
	Exercises	PB 2.1, Q6
	Review answers	
	Exercises	PB 2.1, Q7
	Review answers	
	Set homework	PB 2.1, Q8
3.	Factor Trees	
	Discuss homework	
	Introduction (stress - only ring <i>prime</i> numbers)	OS 2.4
	Exercises	PB 2.2, Q1
	Review answers	
	Exercises	PB 2.2, Q4 and Q5
	Review answers	
	Expressing numbers as products of prime factors	OS 2.5
	Exercises	PB 2.2, Q7
	Review answers	
	Set homework	Complete PB 2.2, Q7
4.	Index Notation	
	Discuss homework	
	Introduction to notation	OS 2.6
	Exercises	PB 2.3, Q1 and Q2
	Review answers	
	Exercises - interactively	PB 2.3, Q3
	Exercises (first one with class)	PB 2.3, Q4
	Review answers	
	Set homework	PB 2.3, Q5

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
5.	HCF Discuss homework Introduction Exercises Review answers Use of factor trees Exercises Review answers Set homework	 OS 2.7 PB 2.4, Q1 OS 2.8 PB 2.4, Q3 PB 2.4, Q2
6.	LCM Discuss homework Introduction Exercises Review answers Use of factor trees Exercises Review answers Mental Test Review answers Set homework	 OS 2.9 PB 2.4, Q5 OS 2.10 PB 2.4, Q7 M 2.1 PB 2.4, Q6
7.	Revision Test Discuss homework Revision Test	 RT 2.1
8.	Recap Give back marked tests Go over test questions interactively Revise topics	

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
1.	Factors and Prime Numbers	
	Introduction	OS 2.1
	Exercises	PB 2.1, Q1
	Review answers	
	Divisibility rules - recap	OS 2.2
	Exercises	PB 2.1, Q3
	Review answers	
	Exercises	PB 2.1, Q5
	Review answers	
	Activity	Activity 2.1 or OS 2.3
Set homework	PB 2.1, Q6, Q7 and Q8	
2.	Factor Trees	
	Discuss homework	
	Introduction (stress - only ring <i>prime</i> numbers)	OS 2.4
	Exercises	PB 2.2, Q1
	Review answers	
	Exercises	PB 2.2, Q4 and Q5
	Review answers	
	Expressing numbers as products of prime factors	OS 2.5
	Exercises	PB 2.2, Q7
	Review answers	
	Activity	Activity 2.2
	Set homework	Complete Activity 2.2 or PB 2.2, Q9 and Q10
3.	Index Notation	
	Discuss homework	
	Introduction	OS 2.6
	Exercises	PB 2.3, Q4 and Q5
	Review answers	
	Exercises - interactively	PB 2.3, Q6
	Exercises	PB 2.3, Q7 and Q9
	Review answers	
	Set homework	PB 2.3, Q8 and Q10

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
4.	HCF Discuss homework Introduction Exercises Review answers Use of factor trees Exercises Review answers Set homework	OS 2.7 PB 2.4, Q2 OS 2.8 PB 2.4, Q4 PB 2.4, Q1 and Q3
5.	LCM Discuss homework Introduction Exercises Review answers Use of factor trees Exercises Review answers Activity Set homework	OS 2.9 PB 2.4, Q6 OS 2.10 PB 2.4, Q8 Activity 2.3 Complete Activity 2.3 or PB 2.4, Q9 and Q10
6.	Squares and Square Roots Discuss homework Introduction Exercises Review answers Exercises - interactively Mental Test Review answers Set homework	OS 2.11 PB 2.5, Q1 PB 2.5, Q2 M 2.2 PB 2.5, Q3 and Q8
7.	Revision Test Discuss homework Revision Test	RT 2.2
8.	Recap Give back marked tests Go over test questions interactively Revise topics	

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
1.	Factors and Prime Numbers	
	Introduction	OS 2.1
	Exercises	PB 2.1, Q1
	Review answers	
	Divisibility rules - recap	OS 2.2
	Exercises	PB 2.1, Q3
	Review answers	
	Exercises	PB 2.1, Q5
	Review answers	
	Activity	Activity 2.1 or OS 2.3
Set homework	PB 2.1, Q8, Q9 and Q10	
2.	Factor Trees	
	Discuss homework	
	Introduction (stress - only ring <i>prime</i> numbers)	OS 2.4
	Exercises	PB 2.2, Q1
	Review answers	
	Exercises	PB 2.2, Q4 and Q5
	Review answers	
	Expressing numbers as products of prime factors	OS 2.5
	Exercises	PB 2.2, Q7
	Review answers	
	Activity	Activity 2.2
	Set homework	Complete Activity 2.2 or PB 2.2, Q9 and Q10
3.	Index Notation	
	Discuss homework	
	Introduction	OS 2.6
	Exercises	PB 2.3, Q4 and Q5
	Review answers	
	Exercises - interactively	PB 2.3, Q6
	Exercises	PB 2.3, Q 7 and Q9
	Review answers	
	Set homework	PB 2.3, Q8 and Q10

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
4.	HCF Discuss homework Introduction Exercises Review answers Use of factor trees Exercises Review answers Set homework	OS 2.7 PB 2.4, Q2 OS 2.8 PB 2.4, Q4 PB 2.4, Q1 and Q3
5.	LCM Discuss homework Introduction Exercises Review answers Use of factor trees Exercises Review answers Activity Set homework	OS 2.9 PB 2.4, Q6 OS 2.10 PB 2.4, Q8 Activity 2.3 Complete Activity 2.3 or PB 2.4, Q9 and Q10
6.	Square Roots Discuss homework Recap definition Exercises - interactively Exercises Review answers Exercises - interactively Mental Test Review answers Set homework	OS 2.11 PB 2.5, Q2 PB 2.5, Q3 PB 2.5, Q6 M 2.3 PB 2.5, Q7 and Q8
7.	Revision Test Discuss homework Revision Test	RT 2.3
8.	Recap Give back marked tests Go over test questions interactively Revise topics	