

UNIT 7 *Ratio and Proportion*

Lesson Plans

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These are based on 45/50 minute lessons.

<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
1.	Equivalent Ratios	
	Introduction	OS 7.1
	Worked examples - interactive	PB 7.1 Example 1
	Exercises	PB 7.1, Q1
	Review answers and sort out problems	
	Writing ratios in the form $1 : n$	OS 7.2
	Exercises	PB 7.1, Q2
	Review answers	
	Set homework	PB 7.1, Q4 and Q5
2.	Map Scales	
	Discuss homework	
	Map scales	OS 7.3
	Exercises	PB 7.1, Q8
	Review answers	
	Exercises	PB 7.1, Q9
	Review answers	
	Set homework	Activity 7.1
3.	Direct Proportion	
	Discuss homework	
	Introduction	OS 7.4
	Exercises	PB 7.2, Q1
	Review answers	
	Exercises	PB 7.2, Q2
	Review answers	
	Set homework	PB 7.2, Q3 and Q4
4.	Proportional Division	
	Discuss homework	
	Introduction	OS 7.5 (part A)
	Exercises	PB 7.3, Q1
	Review answers	
	Exercises	PB 7.3, Q3
	Review answers	
	Set homework	PB 7.3, Q4 and Q5

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
5.	Linear Conversion Discuss homework Introduction (or use data from local travel agent or papers) Exercises Review answers Distance conversions Exercises Review answers Mental Test Review answers Set homework	OS 7.6 PB 7.5, Q1 OS 7.7 PB 7.5, Q2 M 7.1 PB 7.5, Q4 and Q6
6.	Revision Test Discuss homework Revision Test	RT 7.1
7.	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.	Equivalent Ratios	
	Introduction	OS 7.1
	Worked examples - interactive	PB 7.1 Example 1
	Exercises	PB 7.1, Q1
	Review answers and sort out problems	
	Writing ratios in the form 1 : n	OS 7.2
	Exercises	PB 7.1, Q2
	Review answers	
	Set homework	PB 7.1, Q4 and Q5
2.	Map Scales	
	Discuss homework	
	Map scales	OS 7.3
	Exercises	PB 7.1, Q8
	Review answers	
	Exercises	PB 7.1, Q9
	Review answers	
	Set homework	Activity 7.1
3.	Direct Proportion	
	Discuss homework	
	Introduction	OS 7.4
	Exercises	PB 7.2, Q1
	Review answers	
	Exercises	PB 7.2, Q2
	Review answers	
	Activity	Activity 7.2
	Set homework	PB 7.2, Q3 and Q4 or complete Activity 7.2
4.	Proportional Division	
	Discuss homework	
	Introduction (two groups)	OS 7.5 (part A)
	Exercises	PB 7.3, Q1 and Q2
	Review answers	
	Introduction (three or more groups)	OS 7.5 (part B)
	Exercises	PB 7.3, Q2
	Review answers	
	Set homework	PB 7.3, Q6 and Q8

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
5.	Linear Conversion	
	Discuss homework	
	Introduction (or use data from local travel agent or papers)	OS 7.6
	Exercises	PB 7.5, Q1
	Review answers	
	Distance conversions	OS 7.7
	Exercises	PB 7.5, Q2
	Review answers	
	Mental Test	M 7.2
	Review answers	
	Set homework	PB 7.5, Q4 and Q6
6.	Revision Test	
	Discuss homework	
	Revision Test	RT 7.2
7.	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.	Equivalent Ratios	
	Introduction	OS 7.1
	Exercises	PB 7.1, Q1
	Review answers	
	Writing ratios in the form $1 : n$	OS 7.2
	Exercises	PB 7.1, Q2
	Review answers	
	Map scales	OS 7.3
	Exercises	PB 7.1, Q8
	Review answers	
	Set homework	PB 7.1, Q9 and Q10
2.	Direct Proportion	
	Discuss homework	
	Introduction	OS 7.4
	Exercises	PB 7.2, Q1
	Review answers	
	Exercises	PB 7.2, Q2
	Review answers	
	Activity	Activity 7.2
	Set homework	PB 7.2, Q3 and Q4 or complete Activity 7.2
3.	Proportional Division	
	Discuss homework	
	Introduction (two groups)	OS 7.5 (part A)
	Exercises	PB 7.3, Q1 and Q2
	Review answers	
	Introduction (three or more groups)	OS 7.5 (part B)
	Exercises	PB 7.3, Q2
	Review answers	
	Set homework	PB 7.3, Q6 and Q8

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Lesson Plans

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
4.	Linear Conversion	
	Discuss homework	
	Introduction (or use data from local travel agent or papers)	OS 7.6
	Exercises	PB 7.5, Q1
	Review answers	
	Distance conversions	OS 7.7
	Exercises	PB 7.5, Q2
	Review answers	
	Exercises	PB 7.4, Q8
	Review answers	
	Set homework	PB 7.5, Q9 and Q10
5.	Inverse Proportion	
	Discuss homework	
	Introduction	OS 7.8
	Exercises	PB 7.5, Q1
	Review answers	
	Exercises	PB 7.5, Q5
	Review answers	
	Mental Test	M 7.3
	Review answers	
	Set homework	PB 7.5, Q6
6.	Revision Test	
	Discuss homework	
	Revision Test	RT 7.3
7.	Recap	
	Give back marked tests	
	Go over test questions interactively	
	Revise topics	