

UNIT 19 *Similarity*

## Lesson Plans

**St***These are based on 45/50 minute lessons.*

<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>1.</b>	<b>Enlargements 1</b>	
	Introduction	OS 19.1
	Scale factors	PB 19.1, Example 1
	Exercises - interactive	PB 19.1, Q1
	Exercises	PB 19.1, Q2
	Review answers	
	Set homework	PB 19.1, Q3 and Q5
<b>2.</b>	<b>Enlargements 2</b>	
	Discuss homework	
	Enlarging by scale factors	OS 19.2
	Exercises	PB 19.1, Q7
	Review answers	
	Exercises	PB 19.1, Q8
	Review answers	
	Set homework	Activity 19.1
<b>3.</b>	<b>Similar Shapes</b>	
	Discuss homework	
	Finding lengths with similar shapes	OS 19.3
	Exercises	PB 19.2, Q1
	Review answers	
	Exercises	PB 19.2, Q3
	Review answers	
	Set homework	PB 19.2, Q2 and Q4
<b>4.</b>	<b>Line, Area and Volume Ratios</b>	
	Discuss homework	
	Introduction to concept	OS 19.5
	Exercises	PB 19.3, Q1
	Review answers - interactively	
	Exercises	PB 19.3, Q2
	Review answers	
	Mental Test	M 19.1
	Review answers	
	Set homework	PB 19.3, Q3

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
5.	<b>Revision Test</b> Discuss homework Revision Test	RT 19.1
6.	<b>Recap</b> 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>
<b>1.</b>	<b>Enlargements</b>	
	Introduction	OS 19.1
	Exercises - interactive	PB 19.1, Q1 and Q2
	Exercises	PB 19.1, Q3
	Review answers	
	Enlarging by scale factors	OS 19.2
	Exercises	PB 19.1, Q7
	Review answers	
	Set homework	PB 19.1, Q8 and Activity 19.1
<b>2.</b>	<b>Similar Shapes 1</b>	
	Discuss homework	
	Finding lengths with similar shapes	OS 19.3
	Exercises	PB 19.2, Q1
	Review answers	
	Exercises	PB 19.2, Q3
	Review answers	
	Set homework	PB 19.2, Q2 and Q4
<b>3.</b>	<b>Similar Shapes 2</b>	
	Discuss homework	
	Using similar triangles	OS 19.4
	Exercises	PB 19.2, Q8
	Review answers	
	Activity	Activity 19.2
	Review answers	
	Set homework	PB 19.2, Q7 and Q9
<b>4.</b>	<b>Area Ratios</b>	
	Discuss homework	
	Introduction	PB 19.3, Example 1
	Exercises	PB 19.3, Q1
	Review answers	
	Exercises	PB 19.3, Q2
	Review answers - interactively	PB 19.3, Q3 or OS 19.6
	Set homework	PB 19.3, Q4 and Q5

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## Lesson Plans



<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>5.</b>	<b>Volume Ratios</b>	
	Discuss homework	
	Introduction	OS 19.5
	Exercises	PB 19.3, Q7
	Review answers	
	Exercises - interactive	PB 19.3, Q8 or OS 19.8
	Mental Test	M 19.2
	Review answers	
	Set homework	PB 19.3, Q9 and Q10
<b>6.</b>	<b>Maps and Scale Models</b>	
	Discuss homework	
	Introduction	OS 19.8
	Exercises	PB 19.4, Q1
	Review answers	
	Exercises	PB19.4, Q2
	Review answers	
	Activity	Activity 19.3
	Set homework	Complete Activity 19.3
<b>7.</b>	<b>Revision Test</b>	
	Discuss homework	
	Revision Test	RT 19.2
<b>8.</b>	<b>Recap</b>	
	Give back marked tests	
	Go over test questions interactively	
	Revise topics	

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## Lesson Plans

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>1.</b>	<b>Enlargements</b>	
	Introduction	OS 19.1
	Exercises - interactive	PB 19.1, Q1 and Q2
	Exercises	PB 19.1, Q3
	Review answers	
	Enlarging by scale factors	OS 19.2
	Exercises	PB 19.1, Q7
	Review answers	
	Set homework	PB 19.1, Q8 and Activity 19.1
<b>2.</b>	<b>Similar Shapes</b>	
	Discuss homework	
	Finding lengths with similar shapes	OS 19.3
	Exercises	PB 19.2, Q2
	Review answers	
	Exercises	PB 19.2, Q3
	Review answers	
	Using similar triangles	OS 19.4
	Exercises	PB 19.2, Q8
	Review answers	
	Set homework	Activity 19.2 or PB 19.2, Q9 or Q10
<b>3.</b>	<b>Area Ratios</b>	
	Discuss homework	
	Introduction	PB 19.3, Example 1
	Exercises	PB 19.3, Q1
	Review answers	
	Exercises	PB 19.3, Q2
	Review answers - interactively	PB 19.3, Q3 or OS 19.6
	Set homework	PB 19.3, Q4 and Q5
<b>4.</b>	<b>Volume Ratios</b>	
	Discuss homework	
	Introduction	OS 19.5
	Exercises	PB 19.3, Q7
	Review answers	
	Exercises - interactive	PB 19.3, Q8 or OS 19.8
	Mental Test	M 19.3
	Review answers	
	Set homework	PB 19.3, Q9 and Q10

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>5.</b>	<b>Maps and Scale Models</b>	
	Discuss homework	
	Introduction	OS 19.8
	Exercises	PB 19.4, Q5
	Review answers	
	Exercises	PB 19.4, Q9
	Review answers	
	Activity	Activity 19.3
	Set homework	Complete Activity 19.3 or PB 19.4, Q6 and Q10
<b>6.</b>	<b>Revision Test</b>	
	Discuss homework	
	Revision Test	RT 19.3
<b>7.</b>	<b>Recap</b>	
	Give back marked tests	
	Go over test questions interactively	
	Revise topics	