

# UNIT 15 *Polygons*

## 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>Angles</b>	
	Introduction	OS 15.1
	Worked examples	OS 15.2
	Exercises	PB 15.1, Q1
	Review answers	
	Exercises	PB 15.1, Q2
	Review answers	
	Set homework	PB 15.1, Q3 and Q5
<b>2.</b>	<b>Angles in Polygons</b>	
	Discuss homework	
	Interior and exterior angles for hexagons	OS 15.3
	Worked example	PB 15.2, Example 2
	Exercises	PB 15.2, Q1
	Review answers	
	Exercises	PB 15.2, Q2
	Review answers	
	Set homework	PB 15.2, Q3
<b>3.</b>	<b>Symmetry 1</b>	
	Discuss homework	
	Lines of symmetry	OS 15.4
	Exercises - interactive	PB 15.3, Q1 (line symmetry)
	Rotational symmetry	OS 15.5
	Exercises - interactive	PB 15.3, Q1 (rotational symmetry)
	Exercises	PB 15.3, Q2
	Review answers	
	Set homework	PB 15.3, Q3
<b>4.</b>	<b>Symmetry 2</b>	
	Discuss homework	
	Exercises	PB 15.3, Q4
	Review answers	
	Activity	Activity 15.1
	Review answers	
	Set homework	Activity 15.3 or PB 15.3, Q6

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>5.</b>	<b>Quadrilaterals</b>	
	Discuss homework	
	Introduction	OS 15.6
	Exercises - interactive	PB 15.4, Q1-Q6
	Naming quadrilaterals	OS 15.7
	Mental Test	M15.1
	Review answers	
	Set homework	PB 15.4, Q5
<b>6.</b>	<b>Revision Test</b>	
	Discuss homework	
	Revision Test	RT 15.1
<b>7.</b>	<b>Recap</b>	
	Give back marked tests	
	Go over test questions interactively	
	Revise topics	

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## Lesson Plans



<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>1.</b>	<b>Angles</b>	
	Introduction	OS 15.1
	Worked example	OS 15.2
	Exercises - interactive	PB 15.1, Q1 and Q2
	Exercises	PB 15.1, Q5
	Review answers	
	Set homework	PB 15.1, Q3, Q4, Q6 and Q7
<b>2.</b>	<b>Angles in Polygons 1</b>	
	Discuss homework	
	Interior and exterior angles for hexagons	OS 15.3
	Worked example	PB 15.2, Example 2
	Exercises	PB 15.2, Q1
	Review answers	
	Exercises	PB 15.2, Q2
	Review answers	
	Set homework	PB 15.2, Q3
<b>3.</b>	<b>Angles in Polygons 2</b>	
	Discuss homework	
	Exercises	PB 15.2, Q7
	Review answers	
	Exercises	PB 15.2, Q8
	Review answers	
	Exercises - interactive	PB 15.2, Q10
	Set homework	PB 15.2, Q9
<b>4.</b>	<b>Symmetry 1</b>	
	Discuss homework	
	Lines of symmetry	OS 15.4
	Exercises - interactive	PB 15.3, Q1 (line symmetry)
	Rotational symmetry	OS 15.5
	Exercises - interactive	PB 15.3, Q1 (rotational symmetry)
	Exercises	PB 15.3, Q2
	Review answers	
	Exercises	PB 15.3, Q3
	Review answers	
	Set homework	PB 15.3, Q6

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## Lesson Plans



<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>5.</b>	<b>Symmetry 2</b> Discuss homework Exercises - interactive Activity Review answers Set homework	  PB 15.3, Q7 and Q8 Activity 15.2  PB 15.3, Q9 and Q10 or Activity 15.3
<b>6.</b>	<b>Quadrilaterals</b> Discuss homework Introduction Exercises - interactive Naming quadrilaterals Mental Test Review answers Exercises Review answers Set homework	  OS 15.6 PB 15.4, Q1-4 OS 15.7 M15.2  PB 15.4, Q5  PB 15.4, Q9 or Activity 15.4
<b>7.</b>	<b>Revision Test</b> Discuss homework Revision Test	  RT 15.2
<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>Angles in Polygons 1</b>	
	Review angles - interactive	OS 15.2
	Exercises	PB 15.1, Q10
	Review answers	
	Interior and exterior angles for hexagon	OS 15.3
	Exercises	PB 15.2, Q1
	Review answers	
	Exercises	PB 15.2, Q2
	Review answers	
	Set homework	PB 15.2, Q3, Q5 and Q6
<b>2.</b>	<b>Angles in Polygons 2</b>	
	Discuss homework	
	Exercises	PB 15.2, Q7
	Review answers	
	Exercises	PB 15.2, Q8
	Review answers	
	Exercises - interactive	PB 15.2, Q10
	Set homework	PB 15.2, Q9
<b>3.</b>	<b>Symmetry 1</b>	
	Discuss homework	
	Lines of symmetry	OS 15.4
	Exercises - interactive	PB 15.3, Q1 (line symmetry)
	Rotational symmetry	OS 15.5
	Exercises - interactive	PB 15.3, Q1 (rotational symmetry)
	Exercises	PB 15.3, Q2
	Review answers	
	Exercises	PB 15.3, Q3
	Review answers	
	Set homework	PB 15.3, Q6
<b>4.</b>	<b>Symmetry 2</b>	
	Discuss homework	
	Exercises - interactive	PB 15.3, Q7 and Q8
	Activity	Activity 15.2
	Review answers	
	Set homework	PB 15.3, Q9 and Q10 or Activity 15.3

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## Lesson Plans

<b>E</b>
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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>5.</b>	<b>Quadrilaterals</b>	
	Discuss homework	
	Introduction	OS 15.6
	Exercises - interactive	PB 15.4, Q1-4
	Naming quadrilaterals	OS 15.7
	Mental Test	M15.3
	Review answers	
	Exercises	PB 15.4, Q5
	Review answers	
	Set homework	Activity 15.4 or Activity 15.5
<b>6.</b>	<b>Revision Test</b>	
	Discuss homework	
	Revision Test	RT 15.3
<b>7.</b>	<b>Recap</b>	
	Give back marked tests	
	Go over test questions interactively	
	Revise topics	