### Lesson Plans



These are based on 45/50 minute lessons.

1. Angles 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  2. Angles in Polygons Discuss homework Interior and exterior angles for hexagons Worked example PB 15.2, Example 2 Exercises PB 15.2, Q1 Review answers Exercises PB 15.2, Q2 Review answers Exercises PB 15.2, Q3  3. Symmetry PB 15.2, Q3  3. Symmetry 1 Discuss homework Lines of symmetry Exercises - interactive PB 15.3, Q1 (line symmetry) Rotational symmetry Exercises PB 15.3, Q2 Review answers Set homework PB 15.3, Q1 (rotational symmetry) Exercises PB 15.3, Q2 Review answers Set homework PB 15.3, Q3  4. Symmetry 2 Discuss homework PB 15.3, Q3	Lesson No.	Suggested Plan	References
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  2. Angles in Polygons Discuss homework Interior and exterior angles for hexagons Worked example PB 15.2, Example 2 Exercises PB 15.2, Q1 Review answers Exercises PB 15.2, Q2 Review answers Exercises PB 15.2, Q2 Review answers Set homework PB 15.2, Q3  3. Symmetry 1 Discuss homework Lines of symmetry Exercises - interactive PB 15.3, Q1 (line symmetry) Rotational symmetry Exercises PB 15.3, Q2 Review answers Set homework PB 15.3, Q1 (rotational symmetry) Exercises PB 15.3, Q2 Review answers Set homework PB 15.3, Q2 Review answers Set homework PB 15.3, Q3	1.	Angles	
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Exercises PB 15.1, Q1 Review answers Exercises PB 15.1, Q2 Review answers Set homework PB 15.1, Q3 and Q5  2. Angles in Polygons Discuss homework Interior and exterior angles for hexagons 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  3. Symmetry 1 Discuss homework Lines of symmetry OS 15.4 Exercises interactive PB 15.3, Q1 (line symmetry) Rotational symmetry PB 15.3, Q1 (rotational symmetry) Exercises PB 15.3, Q2 Review answers Set homework PB 15.3, Q2 Review answers Set homework PB 15.3, Q3		Worked examples	OS 15.2
Exercises Review answers Set homework  2. Angles in Polygons Discuss homework Interior and exterior angles for hexagons Worked example Exercises PB 15.2, Q1 Review answers Exercises PB 15.2, Q2 Review answers Set homework Lines of symmetry Rotational symmetry Exercises - interactive Review answers Exercises - interactive PB 15.3, Q1 (line symmetry) Exercises - interactive PB 15.3, Q1 (rotational symmetry) Exercises PB 15.3, Q2 Review answers PB 15.3, Q2 Review answers PB 15.3, Q1 (rotational symmetry) Exercises PB 15.3, Q2 Review answers Set homework PB 15.3, Q3		_	PB 15.1, Q1
Review answers Set homework  PB 15.1, Q3 and Q5  2. Angles in Polygons Discuss homework Interior and exterior angles for hexagons Worked example Exercises PB 15.2, Example 2 Exercises PB 15.2, Q1 Review answers Exercises PB 15.2, Q2 Review answers Set homework Lines of symmetry Exercises - interactive PB 15.3, Q1 (line symmetry) Rotational symmetry Exercises - interactive PB 15.3, Q1 (rotational symmetry) Exercises PB 15.3, Q2 Review answers Set homework PB 15.3, Q1 (rotational symmetry) Exercises PB 15.3, Q2 Review answers Set homework PB 15.3, Q3		Review answers	
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2. Angles in Polygons Discuss homework Interior and exterior angles for hexagons Worked example Exercises 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  3. Symmetry 1 Discuss homework Lines of symmetry Exercises - interactive PB 15.3, Q1 (line symmetry) Rotational symmetry Exercises - interactive PB 15.3, Q1 (rotational symmetry) Exercises PB 15.3, Q2 Review answers Set homework PB 15.3, Q3  4. Symmetry 2		Review answers	
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Interior and exterior angles for hexagons Worked example Exercises 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  3. Symmetry 1 Discuss homework Lines of symmetry Exercises - interactive PB 15.3, Q1 (line symmetry) Rotational symmetry Exercises - interactive PB 15.3, Q1 (rotational symmetry) Exercises PB 15.3, Q2 Review answers Set homework PB 15.3, Q3  4. Symmetry 2	2.	Angles in Polygons	
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Exercises Review answers Exercises PB 15.2, Q2 Review answers Set homework PB 15.2, Q3  3. Symmetry 1 Discuss homework Lines of symmetry 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		Interior and exterior angles for hexagons	OS 15.3
Review answers Exercises PB 15.2, Q2 Review answers Set homework PB 15.2, Q3  3. Symmetry 1 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		Worked example	PB 15.2, Example 2
Exercises Review answers Set homework  3. Symmetry 1 Discuss homework Lines of symmetry Exercises - interactive Rotational symmetry Exercises - interactive PB 15.3, Q1 (line symmetry) Rotational symmetry Exercises PB 15.3, Q1 (rotational symmetry) Exercises PB 15.3, Q2 Review answers Set homework PB 15.3, Q3		Exercises	PB 15.2, Q1
Review answers Set homework  PB 15.2, Q3  3. Symmetry 1 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  4. Symmetry 2		Review answers	
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3. Symmetry 1 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  4. Symmetry 2		Review answers	
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Lines of symmetry  Exercises - interactive  Rotational symmetry  Exercises - interactive  Exercises - interactive  PB 15.3, Q1 (line 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	3.	Symmetry 1	
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Rotational symmetry Exercises - interactive PB 15.3, Q1 (rotational symmetry) Exercises PB 15.3, Q2 Review answers Set homework PB 15.3, Q3		Lines of symmetry	OS 15.4
Exercises - interactive PB 15.3, Q1 (rotational symmetry) Exercises PB 15.3, Q2 Review answers Set homework PB 15.3, Q3  4. Symmetry 2		Exercises - interactive	PB 15.3, Q1 (line symmetry)
Exercises Review answers Set homework  PB 15.3, Q2 PB 15.3, Q3  PB 15.3, Q3		Rotational symmetry	OS 15.5
Review answers Set homework  PB 15.3, Q3  4. Symmetry 2		Exercises - interactive	PB 15.3, Q1 (rotational symmetry)
Set homework PB 15.3, Q3  4. Symmetry 2		Exercises	PB 15.3, Q2
4. Symmetry 2		Review answers	
·		Set homework	PB 15.3, Q3
Discuss homework	4.	Symmetry 2	
Discuss nomework		Discuss homework	
Exercises PB 15.3, Q4		Exercises	PB 15.3, Q4
Review answers		Review answers	
Activity Activity 15.1		Activity	Activity 15.1
Review answers		Review answers	
Set homework Activity 15.3 or PB 15.3, Q6		Set homework	Activity 15.3 or PB 15.3, Q6

MEP: Demonstration Project Y8B, Unit 15

# UNIT 15 Polygons Lesson Plans S1

Lesson No.	Suggested Plan	References
5.	Quadrilaterals	
	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
6.	Revision Test	
	Discuss homework	
	Revision Test	RT 15.1
7.	Recap	
	Give back marked tests	
	Go over test questions interactively	
	Revise topics	

#### UNIT 15 Polygons Lesson Plans Lesson No. Suggested Plan References 1. **Angles** Introduction OS 15.1 OS 15.2 Worked example 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 2. **Angles in Polygons 1** 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 **3. Angles in Polygons 2** Discuss homework Exercises PB 15.2, Q7 Review answers Exercises PB 15.2, Q8 Review answers Exercises - interactive PB 15.2, Q10 PB 15.2, Q9 Set homework 4. Symmetry 1 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

PB 15.3, Q6

Set homework

#### Lesson Plans



Lesson No. Suggested Plan References

5. Symmetry 2

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

6. Quadrilaterals

Discuss homework

Introduction OS 15.6
Exercises - interactive PB 15.4, Q1-4
Naming quadrilaterals OS 15.7
Mental Test M15.2

Review answers

Exercises PB 15.4, Q5

Review answers

Set homework PB 15.4, Q9 or Activity 15.4

7. Revision Test

Discuss homework

Revision Test RT 15.2

8. Recap

Give back marked tests

Go over test questions interactively

Revise topics

### Lesson Plans



Lesson No.	Suggested Plan	References
1.	Angles in Polygons 1	
	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
2.	Angles in Polygons 2	
	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
3.	Symmetry 1	
	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
4.	Symmetry 2	
••	Discuss homework	
	Exercises - interactive	PB 15.3, Q7 and Q8
	Activity	Activity 15.2
	Review answers	Activity 13.2
	Set homework	PB 15.3, Q9 and Q10 or Activity 15.3
	SOL HOHIC WOLK	1 D 13.3, Q7 and Q10 of Activity 13.3

### Lesson Plans



Lesson No.	Suggested Plan	References
5.	Quadrilaterals	
	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
6.	Revision Test	
	Discuss homework	
	Revision Test	RT 15.3
7.	Recap	
	Give back marked tests	
	Go over test questions interactively	
	Revise topics	