

UNIT 14 *Straight Line Graphs*

## 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>Coordinates</b>	
	Revise concept	OS 14.1
	Exercises - interactive	PB 14.1, Q1
	Plotting points	OS 14.2
	Exercises	PB 14.1, Q2
	Review answers	
	Exercises	PB 14.1, Q4
	Review answers	
	Set homework	PB 14.1, Q3 and Q5
<b>2.</b>	<b>Plotting Points on a Straight Line 1</b>	
	Discuss homework	
	Introduction	OS 14.3
	Exercises	PB 14.2, Q1
	Review answers	
	Exercises	PB 14.2, Q2
	Review answers	
	Set homework	PB 14.2, Q3
<b>3.</b>	<b>Plotting Points on a Straight Line 2</b>	
	Discuss homework	
	Another example	OS 14.4
	Activity	Activity 14.1
	Review answers	
	Set homework	PB 14.2, Q5
<b>4.</b>	<b>Gradients</b>	
	Discuss homework	
	Introduction to gradient	OS 14.5
	Exercises - interactive	PB 14.3, Q1
	Exercises	PB 14.3, Q2
	Review answers	
	Exercises	PB 14.3, Q3
	Review answers	
	Mental Test	M 14.1
	Review answers	
	Set homework	Extra Exercises, 14.3, Q1

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## Lesson Plans

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>5.</b>	<b>Plotting Graphs of Straight Lines</b> Discuss homework Introduction Exercises Review answers Exercises Review answers Activity Set homework	  OS 14.6 PB 14.3, Q4  PB 14.3, Q5  Activity 14.2 Complete Activity 14.2 or PB 14.3, Q6
<b>6.</b>	<b>Revision Test</b> Discuss homework Revision Test	  RT 14.1
<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>Coordinates</b>	
	Revise concept	OS 14.1
	Exercises - interactive	PB 14.1, Q1
	Plotting points	OS 14.2
	Exercises	PB 14.1, Q2
	Review answers	
	Exercises	PB 14.1, Q4
	Review answers	
	Set homework	PB 14.1, Q3, Q5 and Q9
<b>2.</b>	<b>Plotting Points on Straight Lines</b>	
	Discuss homework	
	Introduction	OS 14.3
	Exercises	PB 14.2, Q2
	Review answers	
	Exercises	PB 14.2, Q3
	Review answers	
	Set homework	Activity 14.1 or PB 14.2, Q4 and Q5
<b>3.</b>	<b>Plotting Graphs of Straight Lines 1</b>	
	Discuss homework	
	Introduction to gradient	OS 14.5
	Exercises	PB 14.3, Q2
	Review answers	
	Exercises	PB 14.3, Q3
	Review answers	
	Plotting lines	OS 14.6
	Exercises	PB 14.3, Q4
	Review answers	
	Set homework	PB 14.3, Q5
<b>4.</b>	<b>Plotting Graphs of Straight Lines 2</b>	
	Discuss homework	
	Worked example	PB 14.3, Q6
	Exercises	PB 14.3, Q7
	Review answers	
	Exercises	PB 14.3, Q8
	Review answers	
	Exercises - interactive	PB 14.3, Q9
	Set homework	Activity 14.2 or PB 14.3, Q13

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## Lesson Plans



<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>5.</b>	<b>Equations of Straight Lines 1</b> Discuss homework Finding equations Exercises Review answers Exercises Review answers Exercises - interactive Set homework	OS 14.7 PB 14.4, Q1  PB 14.4, Q3  PB 14.4, Q4 PB 14.4, Q5
<b>6.</b>	<b>Equations of Straight Lines 2</b> Discuss homework Exercises Review answers Activity Review answers Mental Test Review answers Set homework	PB 14.4, Q7  Activity 14.3  M 14.2  PB 14.4, Q6 and Q8
<b>7.</b>	<b>Revision Test</b> Discuss homework Revision Test	RT 14.2
<b>8.</b>	<b>Recap</b> Give back marked tests Go over test questions interactively Revise topics	

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## Lesson Plans

## E

<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>1.</b>	<b>Plotting Points on a Straight Line</b>	
	Introduction	OS 14.3
	Exercises	PB 14.2, Q2
	Review answers	
	Exercises	PB 14.2, Q3
	Review answers	
	Set homework	Activity 14.1 or PB 14.2, Q4 and Q5
<b>2.</b>	<b>Plotting Graphs of Straight Lines</b>	
	Discuss homework	
	Review gradient	OS 14.5
	Exercises - interactive	PB 14.3, Q2 and Q3
	Plotting lines	OS 14.6
	Exercises	PB 14.3, Q4
	Review answers	
	Exercises	PB 14.3, Q6
	Review answers	
	Set homework	PB 14.3, Q9 and Q13
<b>3.</b>	<b>Equations of Straight Lines 1</b>	
	Discuss homework	
	Finding equations	OS 14.7
	Exercises	PB 14.4, Q1
	Review answers	
	Exercises	PB 14.4, Q3
	Review answers	
	Exercises - interactive	PB 14.4, Q4
	Set homework	PB 14.4, Q5
<b>4.</b>	<b>Equations of Straight Lines 2</b>	
	Discuss homework	
	Exercises	PB 14.4, Q7
	Review answers	
	Activity	Activity 14.3
	Review answers	
	Mental Test	M 14.3
	Review answers	
	Set homework	PB 14.4, Q6 and Q8

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## Lesson Plans

## E

<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>5.</b>	<b>Equations of Lines Given Two Points</b>	
	Discuss homework	
	Introduction	OS 14.8
	Exercises	PB 14.4, Q1
	Review answers	
	Exercises	PB 14.4, Q6
	Review answers	
	Activity	Activity 14.4
	Set homework	PB 14.4, Q7
<b>6.</b>	<b>Revision Test</b>	
	Discuss homework	
	Revision Test	RT 14.3
<b>7.</b>	<b>Recap</b>	
	Give back marked tests	
	Go over test questions interactively	
	Revise topics	