

# UNIT 21 *Probability of One Event*

## 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>Introduction to Probability</b>	
	Basic ideas – pupils at board	OS 21.1
	Exercises	PB 21.1, Q1
	Review answers	
	Probability line – introduce	OS 21.2
	Exercises	PB 21.1, Q2
	Review answers	
	Exercises	PB 21.1, Q3
	Review answers	
	Set homework	PB 21.1, Q5 and Q8
<b>2.</b>	<b>Calculating Probabilities 1</b>	
	Discuss homework	
	Introduce concepts	OS 21.3
	Exercises	PB 21.2, Q1
	Review answers	
	Activity	Activity 21.1
	Discuss answers	
	Set homework	PB 21.2, Q2 and Q3
<b>3.</b>	<b>Calculating Probabilities 2</b>	
	Discuss homework	
	Introduce idea of spinners	
	Worked example	PB 21.1, Q4
	Exercises	PB 21.2, Q5
	Review answers	
	Activity	Activity 21.3
	Set homework	Complete Activity 21.3 or PB 21.2, Q6 or Q9
<b>4.</b>	<b>Relative Frequency</b>	
	Discuss homework	
	Discuss concept of relative frequency; whole class	OS 21.4
	Exercises	PB 21.3, Q3
	Review answers	
	Exercises	PB 21.3, Q9
	Review answers	
	Set homework	PB 21.3, Q8

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>5.</b>	<b>Complementary Events</b> Discuss homework Introduce idea Exercises Review answers Misconceptions – interactively Set homework	OS 21.6 PB 21.4, Q1 to Q3  OS 21.10 PB 21.4, Q4 and Q5
<b>6.</b>	<b>Estimating Number of Successes</b> Discuss homework Introduction Exercises Review answers Exercises Review answers Mental Test Review answers Set homework Review answers	OS 21.7 PB 21.5, Q1  PB 21.5, Q5  M 21.1 PB 21.5, Q2
<b>7.</b>	<b>Revision Test</b> Discuss homework Revision Test	RT 21.1
<b>8.</b>	<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>Introduction to Probability</b>	
	Basic ideas – pupils at board	OS 21.1
	Exercises	PB 21.1, Q1
	Review answers	
	Probability line – introduce	OS 21.2
	Exercises	PB 21.1, Q2
	Review answers	
	Exercises	PB 21.1, Q3
	Review answers	
	Set homework	PB 21.1, Q5 and Q8
<b>2.</b>	<b>Calculating Probabilities</b>	
	Discuss homework	
	Introduce concept	OS 21.3
	Exercises	PB 21.2, Q1 and Q2
	Review answers	
	Exercises	PB 21.2, Q4
	Review answers	
	Activity	Activity 21.1
	Set homework	PB 21.2, Q5 and Q6
<b>3.</b>	<b>Relative Frequency</b>	
	Discuss homework	
	Discuss concept of relative frequency; whole class	OS 21.4
	Exercises	PB 21.3, Q3
	Review answers	
	Exercises	PB 21.3, Q9
	Review answers	
	Set homework	PB 21.3, Q8 and Q9
<b>4.</b>	<b>Complementary Events</b>	
	Discuss homework	
	Introduce idea	OS 21.6
	Exercises	PB 21.4, Q1 to Q3
	Review answers	
	Exercises	PB 21.4, Q9
	Review answers	
	Misconceptions – interactively	OS 21.10
	Set homework	PB 21.4, Q6 and Q10

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## Lesson Plans



<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>5.</b>	<b>Estimating Number of Successes</b>	
	Discuss homework	
	Introduction	OS 21.7
	Exercises	PB 21.5, Q1
	Review answers	
	Exercises	PB 21.5, Q5
	Review answers	
	Mental Test	M 21.2
	Review answers	
	Set homework	PB 21.5, Q8 and Q10
	Review answers	
<b>6.</b>	<b>Mutually Exclusive Events</b>	
	Discuss homework	
	Introduction to formula	OS 21.8
	Exercises	PB 21.6, Q1
	Review answers	
	Exercises	PB 21.6, Q4
	Review answers	
	Activity	Activity 21.2
	Set homework	PB 21.6, Q7 and Q9
<b>7.</b>	<b>Revision Test</b>	
	Discuss homework	
	Revision Test	RT 21.2
<b>8.</b>	<b>Recap</b>	
	Give back marked tests	
	Go over test questions interactively	
	Revise topics	

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## Lesson Plans

# E

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>1.</b>	<b>Introduction to Probability</b>	
	Basic ideas – pupils at board	OS 21.1
	Exercises	PB 21.1, Q1
	Review answers	
	Probability line – introduce	OS 21.2
	Exercises	PB 21.1, Q2
	Review answers	
	Exercises	PB 21.1, Q3
	Review answers	
	Set homework	PB 21.1, Q5 and Q8
<b>2.</b>	<b>Calculating Probabilities</b>	
	Discuss homework	
	Introduce concept	OS 21.3
	Exercises	PB 21.2, Q1 and Q2
	Review answers	
	Exercises	PB 21.2, Q4
	Review answers	
	Activity	Activity 21.1
	Set homework	PB 21.2, Q5 and Q6
<b>3.</b>	<b>Relative Frequency</b>	
	Discuss homework	
	Discuss concept of relative frequency; whole class	OS 21.4
	Exercises	PB 21.3, Q3
	Review answers	
	Exercises	PB 21.3, Q9
	Review answers	
	Set homework	PB 21.3, Q8 and Q9
<b>4.</b>	<b>Complementary Events</b>	
	Discuss homework	
	Introduce idea	OS 21.6
	Exercises	PB 21.4, Q1 to Q3
	Review answers	
	Exercises	PB 21.4, Q9
	Review answers	
	Misconceptions – interactively	OS 21.10
	Set homework	PB 21.4, Q6 and Q10

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## Lesson Plans

## E

<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>5.</b>	<b>Estimating Number of Successes</b>	
	Discuss homework	
	Introduction	OS 21.7
	Exercises	PB 21.5, Q1
	Review answers	
	Exercises	PB 21.5, Q5
	Review answers	
	Mental Test	M 21.3
	Review answers	
	Set homework	PB 21.5, Q8 and Q10
	Review answers	
<b>6.</b>	<b>Mutually Exclusive Events</b>	
	Discuss homework	
	Introduction to formula	OS 21.8
	Exercises	PB 21.6, Q1
	Review answers	
	Exercises	PB 21.6, Q4
	Review answers	
	Activity	Activity 21.2
	Set homework	PB 21.6, Q6 and Q9
<b>7.</b>	<b>General Addition Law</b>	
	Discuss homework	
	Introduction	OS 21.7
	Exercises	PB 21.7, Q2
	Review answers	
	Exercises	PB 21.7, Q6 and Q7
	Review answers	
	Activity	Activity 21.4
	Set homework	PB 21.7, Q5 and Q8
<b>8.</b>	<b>Revision Test</b>	
	Discuss homework	
	Revision Test	RT 21.3
<b>9.</b>	<b>Recap</b>	
	Give back marked tests	
	Go over test questions interactively	
	Revise topics	