## UNIT 21 Probability of One Event I

Lesson Plans



These are based on 45/50 minute lessons.

These are be	ised on 13/30 minute tessons.	
Lesson No.	Suggested Plan	References
1.	Introduction to Probability	
	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
2.	Calculating Probabilities 1	
	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
3.	Calculating Probabilities 2	
	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
4.	Relative Frequency	
	Discuss homework	
	Discuss concept of relative freque	ency; whole class OS 21.4
	Exercises	PB 21.3, Q3
	Review answers	3,0
	Exercises	PB 21.3, Q9
	Review answers	3,0
	Set homework	PB 21.3, Q8

MEP: Demonstration Project Y7B, Unit 21

# UNIT 21 Probability of One Event Lesson Plans **St**

5. Complementary Events Discuss homework Introduce idea OS 21.6 Exercises PB 21.4, Q1 to Q3 Review answers Misconceptions – interactively OS 21.10 Set homework PB 21.4, Q4 and Q5  6. Estimating Number of Successes Discuss homework Introduction OS 21.7 Exercises PB 21.5, Q1 Review answers Exercises PB 21.5, Q5 Review answers Mental Test M 21.1 Review answers Set homework PB 21.5, Q2 Review answers  Set homework PB 21.5, Q2 Review answers  A	Lesson No.	Suggested Plan	References
Exercises Review answers Misconceptions – interactively Set homework  6. Estimating Number of Successes Discuss homework Introduction Exercises PB 21.4, Q4 and Q5  6. Estimating Number of Successes Discuss homework Introduction Exercises PB 21.5, Q1 Review answers Exercises PB 21.5, Q5 Review answers Mental Test Mental Test Review answers Set homework PB 21.5, Q2 Review answers  7. Revision Test Discuss homework Revision Test Oiscuss homework Revision Test	5.		
Review answers Misconceptions – interactively Set homework PB 21.4, Q4 and Q5  6. Estimating Number of Successes Discuss homework Introduction OS 21.7 Exercises PB 21.5, Q1 Review answers Exercises PB 21.5, Q5 Review answers Mental Test Mental Test Review answers Set homework PB 21.5, Q2 Review answers  7. Revision Test Discuss homework Revision Test Oiscuss homework Revision Test Give back marked tests Go over test questions interactively		Introduce idea	OS 21.6
Misconceptions – interactively Set homework PB 21.4, Q4 and Q5  6. Estimating Number of Successes Discuss homework Introduction OS 21.7 Exercises PB 21.5, Q1 Review answers Exercises PB 21.5, Q5 Review answers Mental Test Mental Test Meview answers Set homework PB 21.5, Q2 Review answers  Set homework Review answers  T. Revision Test Discuss homework Revision Test Oiscuss homework Revision Test Give back marked tests Go over test questions interactively		Exercises	PB 21.4, Q1 to Q3
6. Estimating Number of Successes Discuss homework Introduction OS 21.7 Exercises PB 21.5, Q1 Review answers Exercises PB 21.5, Q5 Review answers Mental Test M 21.1 Review answers Set homework PB 21.5, Q2 Review answers  7. Revision Test Discuss homework Revision Test Oive back marked tests Go over test questions interactively		Review answers	
6. Estimating Number of Successes  Discuss homework Introduction OS 21.7 Exercises PB 21.5, Q1 Review answers Exercises PB 21.5, Q5 Review answers Mental Test M 21.1 Review answers Set homework PB 21.5, Q2 Review answers  7. Revision Test Discuss homework Revision Test Cive back marked tests Go over test questions interactively		Misconceptions – interactively	OS 21.10
Discuss homework Introduction OS 21.7 Exercises PB 21.5, Q1 Review answers Exercises PB 21.5, Q5 Review answers Mental Test M 21.1 Review answers Set homework PB 21.5, Q2 Review answers  7. Revision Test Discuss homework Revision Test Converted tests Go over test questions interactively			PB 21.4, Q4 and Q5
Introduction OS 21.7 Exercises PB 21.5, Q1 Review answers Exercises PB 21.5, Q5 Review answers Mental Test M 21.1 Review answers Set homework PB 21.5, Q2 Review answers  7. Revision Test Discuss homework Revision Test Cive back marked tests Go over test questions interactively	6.	Estimating Number of Successes	
Exercises Review answers Exercises PB 21.5, Q1 Review answers Exercises PB 21.5, Q5 Review answers Mental Test M 21.1 Review answers Set homework PB 21.5, Q2 Review answers  7. Revision Test Discuss homework Revision Test RT 21.1  8. Recap Give back marked tests Go over test questions interactively		Discuss homework	
Review answers Exercises PB 21.5, Q5 Review answers Mental Test M 21.1 Review answers Set homework PB 21.5, Q2 Review answers  7. Revision Test Discuss homework Revision Test Oiscuss homework Revision Test Give back marked tests Go over test questions interactively		Introduction	OS 21.7
Exercises Review answers Mental Test Review answers Set homework Review answers  7. Revision Test Discuss homework Revision Test Office back marked tests Go over test questions interactively		Exercises	PB 21.5, Q1
Review answers Mental Test M 21.1 Review answers Set homework PB 21.5, Q2 Review answers  7. Revision Test Discuss homework Revision Test Revision Test Office back marked tests Go over test questions interactively		Review answers	
Mental Test Review answers Set homework Review answers  7. Revision Test Discuss homework Revision Test Revision Test Give back marked tests Go over test questions interactively		Exercises	PB 21.5, Q5
Review answers  Set homework Review answers  7. Revision Test Discuss homework Revision Test Revision Test Revision Test Give back marked tests Go over test questions interactively		Review answers	
Set homework Review answers  7. Revision Test Discuss homework Revision Test RT 21.1  8. Recap Give back marked tests Go over test questions interactively		Mental Test	M 21.1
Review answers  7. Revision Test Discuss homework Revision Test  8. Recap Give back marked tests Go over test questions interactively		Review answers	
7. Revision Test Discuss homework Revision Test  8. Recap Give back marked tests Go over test questions interactively		Set homework	PB 21.5, Q2
Discuss homework Revision Test RT 21.1  8. Recap Give back marked tests Go over test questions interactively		Review answers	
Revision Test RT 21.1  8. Recap Give back marked tests Go over test questions interactively	7.	Revision Test	
8. Recap Give back marked tests Go over test questions interactively		Discuss homework	
Give back marked tests Go over test questions interactively		Revision Test	RT 21.1
Go over test questions interactively	8.	Recap	
		Give back marked tests	
Revise topics		Go over test questions interactively	
		Revise topics	

## UNIT 21 Probability of One Event

#### Lesson Plans



These are based on 45/50 minute lessons.

Lesson No.	Suggested Plan	References
1.	Introduction to Probability	
	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
2.	Calculating Probabilities	
	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
3.	Relative Frequency	
	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
4.	Complementary Events	
	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

### UNIT 21 Probability of One Event Lesson Plans



Lesson No.	Suggested Plan	References
5.	<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	
6.	Mutually Exclusive Events	
	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
7.	Revision Test	
	Discuss homework	
	Revision Test	RT 21.2
8.	Recap	
	Give back marked tests	
	Go over test questions interactively	
	Revise topics	
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## UNIT 21 Probability of One Event

Lesson Plans



These are based on 45/50 minute lessons.

Lesson No.	Suggested Plan	References
1.	Introduction to Probability	
	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
2.	Calculating Probabilities	
	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
3.	Relative Frequency	
	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
4.	Complementary Events	
	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

### UNIT 21 Probability of One Event Lesson Plans



Lesson No.	Suggested Plan	References
5.	<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	
6.	Mutually Exclusive Events	
	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
7.	General Addition Law	
	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
8.	Revision Test	
	Discuss homework	
	Revision Test	RT 21.3
9.	Recap	
	Give back marked tests	
	Go over test questions interactively	
	Revise topics	