

# UNIT 4 *Fractions and Percentages* Lesson Plans

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*These are based on 45/50 minute lessons.*

<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>1.</b>	<b>Equivalent Fractions</b>	
	Revise concept	OS 4.1
	Exercises	PB 4.1, Q1
	Review answers	
	Finding equivalent fractions	OS 4.2
	Exercises	PB 4.1, Q2
	Review answers	
	Activity	Activity 4.1 (or Activity 10.5 from Y7A)
Set homework	PB 4.1, Q3 and Q6	
<b>2.</b>	<b>Fractions of Quantities</b>	
	Discuss homework	
	Examples - interactively	OS 4.3
	Exercises	PB 4.2, Q1
	Review answers	
	Exercises	PB 4.2, Q2
	Review answers	
	Examples in context	PB 4.2, Q4, Q5 or Q6
Set homework	PB 4.2, Q7 and Q11	
<b>3.</b>	<b>Operations with Fractions</b>	
	Discuss homework	
	Addition of fractions	OS 4.4
	Exercises	PB 4.3, Q1
	Review answers	
	Subtraction of fractions	OS 4.4
	Exercises	PB 4.3, Q2
	Review answers	
Set homework	PB 4.3, Q11	
<b>4.</b>	<b>Fractions and Decimals</b>	
	Discuss homework	
	Fractions and decimal equivalents	OS 4.7
	Exercises	PB 4.4, Q5
	Review answers	
	Exercises	PB 4.4, Q4
	Review answers	
Set homework	PB 4.4, Q7 (part of)	

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>5.</b>	<b>Decimals and Percentages</b> Discuss homework Decimal and percentage equivalents Exercises Review answers Exercises Review answers Set homework	OS 4.7 PB 4.4, Q1  PB 4.4, Q3  PB 4.4, Q7 (parts of)
<b>6.</b>	<b>Percentages and Fractions</b> Discuss homework Percentage and fraction equivalents Exercises Review answers Exercises Review answers Activity Set homework	OS 4.7 PB 4.4, Q2  PB 4.4, Q6  Activity 4.2 or Activity 4.3 PB 4.4, Q11 and Q12
<b>7.</b>	<b>Percentage Increase/Decrease</b> Discuss homework Introduction Exercises Review answers Exercises Review answers Mental Test Review answers Set homework	OS 4.8 PB 4.5, parts of Q1  PB 4.5, parts of Q2  M 4.1  PB 4.5, Q11
<b>8.</b>	<b>Revision Test</b> Discuss homework Revision Test	RT 4.1
<b>9.</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>Equivalent Fractions</b>	
	Revise concept	OS 4.1
	Exercises	PB 4.1, Q1
	Review answers	
	Finding equivalent fractions	OS 4.2
	Exercises	PB 4.1, Q2
	Review answers	
	Activity	Activity 4.1 (or Activity 10.5 from Y7A)
Set homework	PB 4.1, Q3 and Q6	
<b>2.</b>	<b>Fractions of Quantities</b>	
	Discuss homework	
	Examples - interactively	OS 4.3
	Exercises	PB 4.2, Q1
	Review answers	
	Exercises	PB 4.2, Q2
	Review answers	
	Examples in context	PB 4.2, Q4, Q5 or Q6
Set homework	PB 4.2, Q7 and Q11	
<b>3.</b>	<b>Operations with Fractions: Addition and Subtraction</b>	
	Discuss homework	
	Addition of fractions	OS 4.4
	Exercises	PB 4.3, Q1
	Review answers	
	Subtraction of fractions	OS 4.4
	Exercises	PB 4.3, Q2
	Review answers	
Set homework	PB 4.3, Q7 and Q11	
<b>4.</b>	<b>Operations with Fractions: Multiplication and Division</b>	
	Discuss homework	
	Multiplication of fractions	OS 4.5
	Exercises	PB 4.3, parts of Q3
	Review answers	
	Division of fractions	OS 4.6
	Exercises	PB 4.3, parts of Q4
	Review answers	
	Questions in context	PB 4.3, Q10
	Review answers	
Set homework	PB 4.3, Q11 and Q12	

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<b>5.</b>	<b>Fraction, Decimal and Percentage Equivalents</b> Discuss homework Introduction Exercises - interactively Activity Set homework	   OS 4.7 PB 4.4, choose from Q1-Q6 Activity 4.2 or Activity 4.3 or Activity 9.1 from Y8A PB 4.4, Q11 and Q12
<b>6.</b>	<b>Percentage Increase/Decrease</b> Discuss homework Introduction Exercises Review answers Exercises Review answers Mental test Review answers Set homework	   OS 4.8 PB 4.5, Q11  PB 4.5, Q12  M 4.2  PB 4.5, Q13 and Q14
<b>7.</b>	<b>Revision Test</b> Discuss homework Revision Test	  RT 4.2
<b>8.</b>	<b>Recap</b> Give back marked tests Go over test questions interactively Revise topics	

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**UNIT 4** *Fractions and Percentages* Lesson Plans

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
<b>1.</b>	<b>Operations with Fractions</b> Addition and subtraction Exercises Review answers Multiplication and division of fractions Exercises Review answers Set homework	OS 4.4 PB 4.3, Q12  OS 4.5 and OS 4.6 PB 4.3, Q8  PB 4.3, Q10 or Activity 9.1 from Y8A
<b>2.</b>	<b>Fraction, Decimal and Percentage Equivalents</b> Discuss homework Introduction Exercises - interactively Activity Set homework	OS 4.7 PB 4.4, choose from Q1-Q6 Activity 4.2 or Activity 4.3 or Activity 9.1 from Y8A PB 4.4, Q11 and Q12
<b>3.</b>	<b>Percentage Increase and Decrease</b> Discuss homework Introduction Exercises Review answers Exercises Review answers Mental Test Review answers Set homework	OS 4.8 PB 4.5, Q12  PB 4.5, Q13  M 4.3 PB 4.5, Q14 and Q15
<b>4.</b>	<b>Revision Test</b> Discuss homework Revision Test	RT 4.3
<b>5.</b>	<b>Recap</b> Give back marked tests Go over test questions interactively Revise topics	