

Content 6A

Topics	Strand	Learning Objective	Page
Revision I • Topics from 1A to 5B			4
Revision II • Topics from 1A to 5B			6
1. Division of Decimals (I)	Number	<ul style="list-style-type: none"> ✓ Divisors are whole numbers ✓ Divisors are decimals 	8
2. Division of Decimals (II) 	Number	<ul style="list-style-type: none"> ✓ Approximation of the quotient ✓ Solve problems 	10
3. Mixed Operations of Decimals 	Number	<ul style="list-style-type: none"> ✓ Perform mixed operations of multiplication and addition (subtraction), division and addition (subtraction), and division and multiplication ✓ Perform mixed operations 	12
4. Interconversion between Decimals and Fractions	Number	<ul style="list-style-type: none"> ✓ Convert decimals into fractions ✓ Convert fractions into decimals ✓ Compare decimals and fractions 	14
5. Averages(I) 	Data Handling	<ul style="list-style-type: none"> ✓ Find average of a group of data 	16
6. Averages (II) 	Data Handling	<ul style="list-style-type: none"> ✓ Find the unknown data value for group of data with average given 	18
7. Percentages  	Number	<ul style="list-style-type: none"> ✓ Recognize the concept of percentages 	20
8. Interconversion between Percentages, Decimals and Fractions	Number	<ul style="list-style-type: none"> ✓ Perform the interconversion between a percentage and a decimal ✓ Perform the interconversion between a percentage and a fraction 	22
9. Comparing Percentages, Decimals and Fractions 	Number	<ul style="list-style-type: none"> ✓ Compare percentages, decimals, and fractions 	24
Test I • Exercise 1 – 9			26

Brain Quest



Provide challenging questions and QR code linked to tips.

Online learning platform

CLASSROOM
Online World

Common terms in Maths



Provide bilingual frequently used term in mathematics.

Topics	Strand	Learning Objective	Page
10. Application of Percentages (I)	Number	✓ Find the percentages	30
11. Application of Percentages (II) 🧠	Number	✓ Find values ✓ Estimate of calculation results	32
12. Capacity and Volume 🧊 🧠	Measures	✓ Recognise the relation between capacity and volume ✓ Recognise the relation between the units of capacity and volume	34
13. Volume of Irregular Solids	Measures	✓ Use water displacement method to find the volume of irregular solids	36
14. Measureing and Calculating of Circumference 🧊 STEAM	Measures	✓ Find circumference, diameter, and radius of circle	38
15. Application of Circumference	Measures	✓ Find the perimeters of circles, semi-circles, quarter-circles and 2-D shapes formed by them	40
16. Area of Circles 🧠	Measures	✓ Find the area of circles	42
Test II • Exercise 10 – 16			44
Word Problems Training I	• Division of decimals • Mixed operations of decimals • Averages		48
Word Problems Training II	• Application of percentages • Capacity and volume • Circumference • Area of circles		50
Exam • Exercise 1 – 16			52
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Analysis of Exam Questions			62