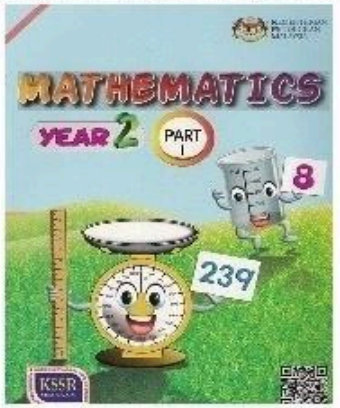
KEMENTERIAN PENDIDIKAN



RANCANGAN PENGAJARAN TAHUNAN

2023/2024

MATHEMATICS (DLP)
YEAR TWO

SCHOOL NAME : .....

SCHOOL ADDRESS : .....

TEACHER'S NAME : .....

<table>
<tr><td>WEEK: 1- 5</td><td colspan="2">LEARNING AREA
NUMBERS AND OPERATIONS</td><td colspan="3">TOPIC
1.0 WHOLE NUMBERS UP TO 1000</td></tr>
<tr><td>CONTENT STANDARD</td><td colspan="2">LEARNING STANDARD</td><td>NOTES</td><td colspan="2">PERFORMANCE STANDARD</td></tr>
<tr><td></td><td colspan="2"></td><td></td><td>PL</td><td>DESCRIPTOR</td></tr>
<tr><td rowspan="4">1.1 Number value.</td><td colspan="2" rowspan="4">Pupils will be able to:
1.1.1 Name the value of numbers up to 1000:
(i) Read any given number in words.
(ii) Say any given number in words.
(iii) Match the numerals with the words.
1.1.2 Determine the value of numbers up to 1000:
(i) Show the quantity of numbers given.
(ii) Match groups of objects with numbers.
(iii) Compare the value of two numbers.
(i) Arrange groups of objects in ascending and descending order.</td><td rowspan="4">Say the number correctly. 235 read as two hundred and thirty-five’ not ’two three five’.

Use real objects, pictures, number lines and abacus 4:1.</td><td>1</td><td>State any number up to 1000.</td></tr>
<tr><td>2</td><td>Determine the number values and arrange numbers in order.</td></tr>
<tr><td>3</td><td>● Estimate and round off any number.
● Complete number sequence and number patterns.</td></tr>
<tr><td>4</td><td>Solve daily routine problems involving numbers.</td></tr>
<tr><td>1.2 Write numbers.</td><td colspan="2">1.2.1 Write numbers in numerals and words.</td><td></td><td>5</td><td>Solve daily routine problems involving numbers using various strategies.</td></tr>
<tr><td>1.3 Number sequence.</td><td colspan="2">1.3.1 Count numbers.
1.3.1 Complete any number sequence.</td><td>Count in ones up to tens and hundreds in ascending and descending order by using various objects, pictures, number lines and abacus 4:1.</td><td>6</td><td>Solve daily non-routine problems involving numbers creatively and innovatively.</td></tr>
<tr><td>1.4 Place value.</td><td colspan="2">1.4.1 State the place value and digit value of any number.
1.4.1 Partition any number according to place value and digit value.</td><td>Use various representations of place value and abacus 4:1 to state the place value and the digit value.</td><td colspan="2"></td></tr>
<tr><td colspan="6">CUTI PERTENGAHAN PENGGAL 1, SESI 2023/2024
KUMPULAN A: 21.04.2023 - 29.04.2023, KUMPULAN B: 22.04.2023 - 30.04.2023</td></tr>
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<table>
<tr><td>WEEK: 6 - 9</td><td colspan="2">LEARNING AREA
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1.0 WHOLE NUMBERS UP TO 1000</td></tr>
<tr><td rowspan="2">CONTENT STANDARD</td><td rowspan="2">LEARNING STANDARD</td><td rowspan="2">NOTES</td><td colspan="2">CONTENT STANDARD</td></tr>
<tr><td>PL</td><td>DESCRIPTOR</td></tr>
<tr><td rowspan="3">1.5 Estimate.</td><td rowspan="3">Pupils will be able to:
1.5.1 Give reasonable estimation for the quantity of objects.</td><td rowspan="3">Estimation is made by stating the quantity based on a reference set and using “approximate”, “less than” and “more than”.</td><td></td><td></td></tr>
<tr><td>1</td><td>State any number up to 1000.</td></tr>
<tr><td>2</td><td>Determine the number values and arrange numbers in order.</td></tr>
<tr><td rowspan="2">1.6 Round off numbers.</td><td rowspan="2">1.6.1 Round off whole numbers to the nearest hundreds.</td><td rowspan="2">Round off can be done by using a number line and various strategies.</td><td>3</td><td>● Estimate and round off any number.
● Complete number sequence and number patterns.</td></tr>
<tr><td>4</td><td>Solve daily routine problems involving numbers.</td></tr>
<tr><td></td><td></td><td></td><td>5</td><td>Solve daily routine problems involving numbers using various strategies.</td></tr>
</table>

			6	Solve daily non-routine problems involving numbers creatively and innovatively.

CUTI PENGGAL 1, SESI 2023/2024
KUMPULAN A: 26.05.2023 - 03.06.2023, KUMPULAN B: 22.04.2023 - 30.04.2023

WEEK: 10-11	LEARNING AREA NUMBERS AND OPERATIONS	TOPIC 1.0 WHOLE NUMBERS UP TO 1000		
CONTENT STANDARD	LEARNING STANDARD	NOTES	CONTENT STANDARD	
			PL	DESCRIPTOR
1.7 Number patterns.	1.7.1 Identify patterns for a given number series. Complete various simple number patterns.	Number patterns in ascending and descending order by ones up to tens and hundreds.	1	State any number up to 1000.
			2	Determine the number values and arrange numbers in order.
			3	● Estimate and round off any number. ● Complete number sequence and number patterns.
			4	Solve daily routine problems involving numbers.

1.8 Problem solving.	1.8.1 Solve problems involving daily life situations.		5	Solve daily routine problems involving numbers using various strategies.
			6	Solve daily non-routine problems involving numbers creatively and innovatively.

WEEK: 12 - 16	LEARNING AREA NUMBERS AND OPERATIONS	TOPIC 2.0 BASIC OPERATIONS		
CONTENT STANDARD	**LEARNING STANDARD**	**NOTES**	**CONTENT STANDARD**	
			PL	**DESCRIPTOR**
2.1 Add within 1000.	Pupils will be able to: 2.1.1 Add two numbers within the sum of 1000. 2.1.1 Add three numbers within the sum of 1000.	Use various calculation strategies to perform addition. Use objects, pictures, number lines, abacus 4:1 and mental calculation to represent calculation in addition.	1	Read number sentence involving basic operations.
2.2 Subtract within1000.	2.2.1 Subtract two numbers within 1000. 2.2.1 Subtract two numbers from any one number within 1000.	Use various calculation strategies to perform subtraction. Use objects, pictures, number lines, abacus 4:1 and mental calculation to represent calculation in subtraction.	2	Determine and explain number sentence involving basic operations.
			3	Solve number sentence and determine reasonable answer involving basic operations.

2.3 Multiply within 1000.	2.3.1 Multiply in the range of basic facts. 2.3.1 Multiply one digit number with 10.	Basic facts involving multiplication of one digit number with one digit. Multiplication as repeated addition. Use various strategies to construct and state basic facts of multiplication. Use objects, pictures, number lines, abacus 4:1 and mental calculation to represent calculation in multiplication. Commutative Law of Multiplication: a × b = b × a	4 Solve daily routine problems involving basic operations. 5 Solve daily routine problems involving basic operations using various strategies. 6 Solve daily non-routine problems involving basic operations creatively and innovatively.

WEEK: 17-21	LEARNING AREA NUMBERS AND OPERATIONS	TOPIC 2.0 BASIC OPERATIONS	
CONTENT STANDARD	**LEARNING STANDARD**	**NOTES**	**CONTENT STANDARD** **PL** / **DESCRIPTOR**
2.4 Divide within 1000.	Pupils will be able to: 2.4.1 Divide in the range of basic facts. 2.4.1 Divide any two digit number with 10.	Basic facts involving division with and without remainder. Divide by one digit number and by 10. Division as sharing, grouping, repeated subtraction and inverse multiplication. Use various strategies to construct and state basic facts of division. Use objects, pictures, number lines, abacus 4:1 and mental calculation to represent	1 Read number sentence involving basic operations. 2 Determine and explain number sentence involving basic operations.

		calculation in division.	
2.5 Problem solving.	2.5.1 Create stories involving addition, subtraction, multiplication and division within 1000. 2.5.1 Solve problems involving addition, subtraction, multiplication and division in daily life situations.	Solve daily problems involving two numbers. Problem-solving skill involves the following steps: ● Understand and interpret the problem. ● Plan a solving strategy. ● Carry out the strategy. ● Review the answer. Use simulations or situation model.	3 Solve number sentence and determine reasonable answer involving basic operations. 4 Solve daily routine problems involving basic operations. 5 Solve daily routine problems involving basic operations using various strategies. 6 Solve daily non-routine problems involving basic operations creatively and innovatively.

CUTI PENGGAL 2, SESI 2023/2024

(KUMPULAN A: 25.08.2023 - 02.09.2023, KUMPULAN B: 26.08.2023 - 03.09.2023)

WEEK: 22-23	LEARNING AREA NUMBERS AND OPERATIONS	TOPIC 3.0 FRACTIONS AND DECIMALS	
CONTENT STANDARD	LEARNING STANDARD	NOTES	CONTENT STANDARD PL / DESCRIPTOR
3.1 Proper fractions.	Pupils will be able to: 3.1.1 Identify and state the proper fractions with 1 as the numerator and denominator up to 10. 3.1.2 Name the proper fractions with numerator up to 9 and	Use concrete materials, pictures and folded papers to explain the concept of fractions. Determine proper fractions based on an object.	1 State proper fractions and decimals. 2 ● Write proper fractions and decimals.

	denominator up to 10. 3.1.3 Represent with diagrams based on given fractions. 3.1.4 Write given proper fractions. 3.1.1 Compare the value of two proper fractions.	Representation can be done through drawing, shading, pasting and colouring. Write proper fractions as said and based on the shaded diagrams. Compare the value based on folded papers, fraction boards and diagrams.		● Represent diagrams for proper fractions and decimals as given.
			3	Compare the values of two proper fractions, two decimals and the values between fractions and decimals.
3.2 Decimals.	3.2.1 Convert fractions of tenths to decimals. 3.2.2 Say decimal numbers of zero point one up to zero point nine. 3.2.3 Show decimal numbers of 0.1 to 0.9. 3.2.4 Represent diagrams based on given decimal numbers. 3.2.5 Write decimals as given. 3.2.1 Compare the value of two given decimals.	Use diagrams and number lines to explain the concept of decimals Write decimals as said, based on the shaded diagrams and number lines. Compare the value based on folded papers, number lines and diagrams.	4	Solve daily routine problems involving fractions and decimals.
			5	Solve daily routine problems involving fractions and decimals using various strategies.
			6	Solve daily non-routine problems involving fractions and decimals creatively and innovatively.

WEEK: 24	LEARNING AREA NUMBERS AND OPERATIONS	TOPIC 3.0 FRACTIONS AND DECIMALS		
CONTENT STANDARD	LEARNING STANDARD	NOTES	CONTENT STANDARD	
			PL	DESCRIPTOR

3.3 Fractions and decimals.	Pupils will be able to: 3.3.1 Compare the given values of fractions and decimals.	Compare the value based on concrete materials and diagrams.	1 State proper fractions and decimals. 2 • Write proper fractions and decimals. Represent diagrams for proper fractions and decimals as given. 3 Compare the values of two proper fractions, two decimals and the values between fractions and decimals.
3.4 Problem solving.	3.2.2 3.4.1 Solve problems involving daily life situations.		4 Solve daily routine problems involving fractions and decimals. 5 Solve daily routine problems involving fractions and decimals using various strategies. 6 Solve daily non-routine problems involving fractions and decimals creatively and innovatively.

WEEK: 25-26	LEARNING AREA	TOPIC

	NUMBERS AND OPERATIONS	4.0 MONEY		
CONTENT STANDARD	**LEARNING STANDARD**	**NOTES**	**CONTENT STANDARD**	
			PL	**DESCRIPTOR**
4.1 Notes and coins.	Pupils will be able to: 4. 1.1 Identify notes of Malaysian currency up to RM100. 4.1.2 Determine the value of money up to RM100.	Use money in daily life situation. Represent the value using abacus 4:1. Use combination of money in the form of coins and notes.	1	State money up to RM100.
			2	Determine value of money up to RM100.
4.2 Add values of money.	4.2.1 Add two values of money within the sum of RM100. 4.2.2 Add three values of money within the sum of RM100.		3	• Justify the solution for number sentences involving money. Explain financial management effectively.
4.3 Subtract values of money.	4.3.1 Subtract two values of money within RM100. 4.3.2 Subtract two values of money consecutively from any value within RM100.		4	Solve daily routine problems involving money.
4.4 Multiply values of money.	4.4.1 Multiply values of money within the product of RM100.	Multiply the value of money with one digit number and with 10.	5	Solve daily routine problems involving money using various strategies.
			6	Solve daily non-routine problems involving money creatively and innovatively.

<table>
<tr><td>WEEK: 27-28</td><td colspan="2">LEARNING AREA
NUMBERS AND OPERATIONS</td><td colspan="3">TOPIC
4.0 MONEY</td></tr>
<tr><td rowspan="2">CONTENT STANDARD</td><td rowspan="2">LEARNING STANDARD</td><td rowspan="2">NOTES</td><td colspan="2">CONTENT STANDARD</td></tr>
<tr><td>PL</td><td>DESCRIPTOR</td></tr>
<tr><td rowspan="3">4.5 Divide values of money.</td><td rowspan="3">4.5.1 Divide values of money within RM100..</td><td rowspan="3">Divide the value of money with one digit number and with 10.</td><td></td><td></td></tr>
<tr><td>1</td><td>State money up to RM100.</td></tr>
<tr><td>2</td><td>Determine value of money up to RM100.</td></tr>
<tr><td rowspan="2">4.6 Savings and investment.</td><td rowspan="2">Pupils will be able to:
4.6.1 Manage finances effectively as basic of savings and spending.</td><td rowspan="2">Use suitable situations to explain the related financial management within RM1000.</td><td rowspan="2">3</td><td rowspan="2">● Justify the solution for number sentences involving money.

Explain financial management effectively.</td></tr>
<tr></tr>
<tr><td rowspan="4">4.7 Problem solving.</td><td rowspan="4">4.7.1 Solve problems involving daily life situations.</td><td rowspan="4"></td><td>4</td><td>Solve daily routine problems involving money.</td></tr>
<tr><td>5</td><td>Solve daily routine problems involving money using various strategies.</td></tr>
<tr><td>6</td><td>Solve daily non-routine problems involving money creatively and innovatively.</td></tr>
<tr><td></td><td></td></tr>
</table>

WEEK: 29-30	LEARNING AREA MEASUREMENT AND GEOMETRY	TOPIC 5.0 TIME		
CONTENT STANDARD	LEARNING STANDARD	NOTES	CONTENT STANDARD	
			PL	DESCRIPTOR
5.1 Time in hours and minutes.	Pupils will be able to: 5.1.1 Recognise minute graduations on the clock face. 5.1.2 State and show time in hours and minutes. 5.1.3 Convert time in hours and minutes from words to numerals and vice versa. Record time in hours and minutes.	Recognise minute graduations and multiples of five minutes in numerals on analogue clock. Time in hours and multiples of five minutes are introduced. Then, introduce half an hour, and quarter hour. Analogue and digital clock can be used to recognise hours and minutes. Record daily activities based on time in hours and minutes.	1	State five minutes graduation on the clock face and be able to state time in hours and minutes.
			2	Convert time in hours and minutes from words to numerals and vice versa, and state days to hours and hours to minutes.
5.2 Relationship in time.	5.2.1 State the relationship between days with hours and hours with minutes.		3	Record time in hours and minutes, and justify the answer.
5.3 Problem solving.	5.3.1 Solve problems involving daily life situations.		4	Solve daily routine problems involving time.
			5	Solve daily routine problems involving time using various strategies.

			6	Solve daily non-routine problems involving time creatively and innovatively.

WEEK: 31-32	LEARNING AREA MEASUREMENT AND GEOMETRY	TOPIC 6.0 MEASUREMENT		
CONTENT STANDARD	**LEARNING STANDARD**	**NOTES**	**CONTENT STANDARD**	
			PL	**DESCRIPTOR**
6.1 Length.	Pupils will be able to: 6.1.1 Recognise unit of length .	Recognise centimetre and metre by observing the graduations on a ruler and measuring tape. Write the given length in centimetres and metres by using the symbol cm and m.	1	Recognise centimetre~~s~~, metre~~s~~, gram~~s~~, kilogram~~s~~, millilitre~~s~~ and litre~~s~~.
	6.1.2 Measure length.	Measure and mark specified distance in units cm and m. Measure and record the length of objects in the units cm and m. Sketch and draw straight lines according to the given measurement in units cm and m.	2	Measure length, mass and volume of liquid.
	6.1.1 Estimate length.	Estimate the length of objects in units of centimetre~~s~~ and metre~~s~~ and compare the estimation with the actual measurement.	3	Estimate and compare length and measurement, and to justify the answer.
6.2 Mass.	6.2.1 Recognise unit of mass.	Recognise grams and kilograms by observing graduation on the weighing scale. Recognise mass in gram~~s~~ and kilogram~~s~~.	4	Solve daily routine problems involving measurement.
	6.2.2 Weigh objects.	Write given mass in gram and kilogram by using the symbol g and kg. Weigh and record mass of objects in gram~~s~~ and kilogram~~s~~.		

	6.2.1 Estimate mass.	Estimate the mass of objects in units of grams and kilogram and compare the estimation with the actual weight	5	Solve daily routine problems involving measurement using various strategies.
			6	Solve daily non-routine problems involving measurement creatively and innovatively.

WEEK: 33-34	LEARNING AREA MEASUREMENT AND GEOMETRY	TOPIC 6.0 MEASUREMENT		
CONTENT STANDARD	**LEARNING STANDARD**	**NOTES**	**CONTENT STANDARD**	
			PL	**DESCRIPTOR**
6.3 Volume of liquid.	Pupils will be able to: 6.3.1 Recognise volume of liquid.	Recognise millilitres and litres by observing the graduation on the measuring cylinder. Recognise volume of liquid in millilitres and litres.	1	Recognise centimetres, metres, grams, kilograms, millilitres and litres.
	6.3.2 Measure volume of liquid.	Write the volume of liquid given in millilitres by using the symbol mℓ and litres by using the symbol ℓ.	2	Measure length, mass and volume of liquid.
	6.3.1 Estimate volume of liquid.	Measure, mark and record volume of liquid as determined in millilitres and litres. Estimate the volume of liquid in units of millilitre and litre and compare with the actual measurement.	3	Estimate and compare length and measurement, and to justify the answer.

6.4 Problem solving.	6.4.1 Solve problems involving daily life situations.		4	Solve daily routine problems involving measurement.
			5	Solve daily routine problems involving measurement using various strategies.
			6	Solve daily non-routine problems involving measurement creatively and innovatively.

WEEK: 35-36	**LEARNING AREA** **MEASUREMENT AND GEOMETRY**	**TOPIC** **7.0 SPACE**		
CONTENT STANDARD	**LEARNING STANDARD**	**NOTES**	**CONTENT STANDARD**	
			PL	**DESCRIPTOR**
7.1 Three-dimensional shapes.	Pupils will be able to: 7.1.1 Identify three-dimensional shapes based on descriptions. 7.1.2 Identify basic shapes of three-dimensional shapes. Identify various nets of three-dimensional shapes.	Three-dimensional shapes involving cube, cuboid, square based pyramid, cylinder and cone.	1	Describe two-dimensional and three-dimensional shapes.
			2	Identify two-dimensional and three-dimensional basic shapes.
			3	• Determine three-dimensional

7.2 Two-dimensional shapes.	7.2.1 Identify two-dimensional shapes based on descriptions. Draw basic shapes of two-dimensional shapes.	Two-dimensional shapes involving square, rectangle, triangle and circle.		shapes based on nets. ● Draw two-dimensional basic shapes. ● Justify the answers.
			4	Solve daily routine problems involving space.
7.3 Problem solving.	7.3.1 Solve problems involving daily life situations.		5	Solve daily routine problems involving space using various strategies.
			6	Solve daily non-routine problems involving space creatively and innovatively.
CUTI PENGGAL 3, SESI 2023/2024 **(KUMPULAN A: 15.12.2023 - 01.01.2024, KUMPULAN B: 16.12.2023 - 01.01.2024)**				

WEEK: 37-39	**LEARNING AREA** **STATISTICS AND PROBABILITY**	**TOPIC** **8.0 DATA MANAGEMENT**		
CONTENT STANDARD	**LEARNING STANDARD**	**NOTES**	**CONTENT STANDARD**	
			PL	**DESCRIPTOR**

8.1 Collect, classify and arrange data.	Pupils will be able to: 8.1.1 Collect data based on daily life situation.	Use various methods to arrange data.	1	Read information from the bar chart.
			2	Collect data from daily life situation.
			3	Determine reasonable answers for the given information from the bar chart.
8.2 Bar chart.	8.1.2. Read and obtain information from bar chart.	Begin with graduations on horizontal axis (*x*-axis) and vertical axis (*y*-axis) to represent one unit.	4	Solve daily routine problems involving bar chart.
8.3 Problem solving.	8.3.1 Solve problems involving daily life situations.	Use simple vocabulary to explain topic, legend, horizontal axis and vertical axis on bar chart.	5	Solve daily routine problems involving bar chart using various strategies.
			6	Solve daily non-routine problems involving bar chart creatively and innovatively.

40	ULANGKAJI
41	PENTAKSIRAN AKHIR TAHUN

42	PENGURUSAN AKHIR TAHUN
CUTI AKHIR PERSEKOLAHAN SESI 2023/2024 (KUMPULAN A: 09.02.2024 - 09.03.2024, KUMPULAN B: 10.02.2024 - 10.03.2024)	

#MEMERLUKAN RPH LENGKAP UNTUK SETAHUN DAN BORANG TRANSIT PBD?
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