TOPIC 3	DECIMALS	INTERVENSI

Learning Area:	Mixed Operations with Decimals
Learning Objective:	Perform mixed operations of addition and subtraction of decimals of up to 3 decimal places.
Learning Outcome:	Add and subtract three to four decimal numbers of up to 3 decimal places involving, a. *decimal numbers only* b. *whole numbers and decimal numbers.*

Teaching Aids

Duration: 1 hour

Number cards, place value chart.

Set Induction

1. Pupils read the numbers cards. Ask them to identify the decimal places.(one , two or three decimal places)
2. Pupils identify which digit is a whole number.

Step 1: Arranging number in place value chart.

Pupils' Activity:

1. Pupils read the number card.
2. Pupils rearrange the number in vertical form
3. Pupils presenting their group work.

Teacher's Instruction:

1. Teacher show number card.
2. I want you all arrange the number card in the correct place in the place value chart.

Notes to Teachers:
Teacher shows the place value chart.

tens	ones	.	tenths	hundredths	thths

Expected answer from pupils

tens	ones	.	tenth	hundredths	thths
2	3		1		
	1	.	6	7	

Step 2: Add decimal Numbers

Pupils' Activity:	Notes to teachers:
5. Read and understand the number sentences of mixed operation. 6. Rearrange the number sentences in vertical form. 7. Present their group work 8. Worksheet	o *Teacher shows a number sentence card.* 23. 10 + 11.7 - 4. 9 = o *Teacher emphasise how to find the answer involving mixed operation.*
Teacher's Instruction: 3. Teacher distributes a few number sentences to every group. 4. Work in groups and solve this problem given.	*Pupils expected answers* $$23.10 \qquad 34.80$$ $$+\underline{11.7} \qquad -\underline{\ 4.90}$$ $$\underline{34.80} \qquad \underline{29.90}$$

Step 3: Subtract decimal Numbers

Pupils' Activity:	Notes to teachers:
1. Read and understand the number sentences of mixed operation. 2. Rearrange the number sentences in vertical form. 3. Present their group work 4. Worksheet	o *Teacher shows a number sentence card.* 23. 10 + 11.7 - 4. 9 = o *Teacher emphasise how to find the answer involving mixed operation.*
Teacher's Instruction: 1. Teacher distributes a few number sentences to every group. 2. Work in groups and solve this problem given.	*Pupils expected answers* $$11.7 \qquad 6.80$$ $$-\underline{\ 4.9} \qquad +\underline{23.10}$$ $$\underline{\ 6.8} \qquad \underline{29.90}$$

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WORKSHEET

1	65.45 + 12.8 – 23.7 =	6	24 - 13.3 + 128.98 =
2	40 - 13. 7 + 8. 205 =	7	0.491 + 26.5 - 15 =
3	0.9 + 17.27 - 15.864 =	8	46 - 0.236 + 13 =
4	210 – 29.43 + 15.148 =	9	1.876 + 23.345 - 20.654 =
5	26.71 + 130 - 64.9 =	10	23.56 - 20 + 21.654 =