



P.2 MATHEMATICS SELF - STUDY LESSONS SET ONE 30.5.2020

USE YOUR MATHEMATICS CLASS WORKBOOKS TO WRITE THIS WORK AND ATTEMPT ALL THE GIVEN ACTIVITIES

LESSON 1

TOPIC: OPERATIONS ON NUMBERS

SUB TOPIC: ADDITION OF NUMBERS ACCORDING TO THEIR PLACE VALUES.

Dear learner, you are welcome to today's activity.

By the end of this lesson you should be able to:

- Identify place values
- Count using sticks, straws or small stones
- Add given numbers according to their place values
- Add beginning from ones, then tens.

Addition of whole numbers in tens and ones.

Place value is the position of a digit in a given number.

We are going to look at two place values i.e. tens and ones.


Note that: When reading adding numbers we start from left then right; the first place value on the left is in the position of ones represented as (O) and the next one to it is in the position of tens represented as (T), for example in the 54

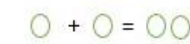
We have 2 digits 5 and 4, 4 is our first number on the left and so it's in the position of ones and then 5 is in the next position after it and so it is in the position of tens represented as ;

T		O
5		4

Example: - Add the following

T	O
1	2
+1	3
<hr/>	
2	5
<hr/>	

Ones
 $2 + 3 = 5$


Tens
 $1 + 1 = 2$


T	O
2	4
+3	0
<hr/>	
5	4
<hr/>	

T	O
1	9
+1	0
<hr/>	
2	9
<hr/>	

T	O
8	6
+1	3
<hr/>	
9	9
<hr/>	

Activity:- Add the following

T	O
1	2
+	2
<hr/>	

T	O
1	4
+1	4
<hr/>	

T	O
1	5
+1	0
<hr/>	

T	O
1	9
+2	0
<hr/>	

T	O
2	0
+	3
<hr/>	

T	O
2	3
+1	3
<hr/>	

T	O
3	1
+2	3

T	O
2	8
+3	0

LESSON 2

TOPIC : TOPIC: OPERATIONS ON NUMBERS

SUB TOPIC: Application of addition.

Dear learner, you are welcome to today's activity.

By the end of the lesson, you should be able to:

- Read and interpret the information correctly
- Identify place values
- Add correctly with ones first, then tens.

Application of Addition

To apply addition is to use our learnt knowledge on addition practically.

We can use this knowledge to add the things we use in our daily lives as shown below;

For example

1. John had 12 eggs. Mark had 14 eggs. How many eggs do they have altogether?

T	O	
1	2	
+1	4	
2	6 eggs	

$$2 + 4 = 6$$

$$00 + 0000 = 000000$$

$$1 + 1 = 2$$

$$0 + 0 = 00$$

2. Peter had 23 sweets. Tom had 11 sweets. How many sweets do they have altogether?

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 2 \quad 3 \\
 +1 \quad 1 \\
 \hline
 3 \quad 4 \text{ sweets}
 \end{array}$$

$$\begin{array}{l}
 3 + 1 = 4 \\
 000 + 0 = 0000 \\
 2 + 1 = 3 \\
 00 + 0 = 3
 \end{array}$$

3. Tr. Esther had 26 pens. Tr. Shibeke had 31 pens. How many pens do they have altogether?

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 2 \quad 6 \\
 +3 \quad 1 \\
 \hline
 5 \quad 7 \text{ pens}
 \end{array}$$

$$\begin{array}{l}
 6 + 1 = 7 \\
 000000 + 0 = 0000000 \\
 2 + 3 = 5 \\
 00 + 000 = 5
 \end{array}$$

Activity

1. Askari Lauben has 15 arrows. Askari Maasa has 13 arrows. How many arrows do they have altogether?
2. Joel has 23 cups. Mary has 34 cups. How many cups do they have altogether?
3. Donald Trump has 26 mangoes. Tony Blair has 30 mangoes. How many mangoes do they have altogether?
4. The headteacher has 40 cows. My teacher has 27 cows. How many cows do they have altogether?
5. Babirye has 52 pens. Kato has 27 pens. How many pens do they have altogether?
6. Denis has 61 goats. Tom has 28 goats. How many goats do they have altogether?

7. Uganda has 30 COVID-19 patients. Kenya has 50 patients. How many patients do they have altogether?

LESSON 3

TOPIC: TOPIC: OPERATIONS ON NUMBERS

SUB TOPIC: Expanding whole numbers using values

Dear learner, you are welcome to today's activity.

By the end of the lesson you should be able to:

- Identify place values correctly
- Expand numbers

Expanded form –to expand a number here means to break it down in its tens and ones. We want to find out how many tens and how many ones make up that number.

For example number 22-when we break down this number into its tens and ones we get-20 and 2. Here 20 counted as 2 tens () in the tens and 2 is in the ones counted as ().

Therefore to expand 22 we get 20 tens and 2 ones.

More examples:

1. T O

$$1 \quad 9 = 10 + 9 \quad (1 \text{ ten} + 9 \text{ ones})$$
$$10 + 9$$

2. T O

$$6 \quad 3 = 60 + 3 \quad (6 \text{ tens} + 3 \text{ ones})$$
$$60 + 3$$

3. T O

$$2 \quad 8 = 20 + 8 \quad (2 \text{ tens} + 8 \text{ ones})$$
$$20 + 8$$

4. T

$$45 = 40 + 5$$

5. T

$$66 = 60 + 6$$

Activity : Expand the following numbers

1. $14 =$

2. $57 =$

3. $26 =$

4. $82 =$

5. $19 =$

6. $45 =$

7. $63 =$

8. $39 =$

9. $75 =$

10. $30 =$

What number has been expanded to form

$$30 + 5 = \underline{\hspace{2cm}}$$

$$90 + 8 = \underline{\hspace{2cm}}$$

$$60 + 2 = \underline{\hspace{2cm}}$$

$$50 + 4 = \underline{\hspace{2cm}}$$

$$70 + 1 = \underline{\hspace{2cm}}$$

LESSON 4

TOPIC: OPERATIONS ON NUMBERS

SUB TOPIC: Addition of numbers to hundreds.

Dear learner, you are welcome to today's activity.

By the end of the lesson you should be able to: -

- Identify place values.
- Add hundreds, tens and ones.
- Begin from ones, tens, hundreds.

In the lesson we had previously, we looked at the 2 place values ones and tens that we read from left to right.

In today's lesson, we are introducing another place value that comes next to the tens position, this position is called hundreds represented as (H).

For example; H T O

2 5 4

In the number written above, we have three place values; number 4 is in Ones, number 5 in the position of Tens and number 2 in the position of Hundreds.

We are now going to add the numbers in the three-place values.

For example

H	T	O	Ones	H	T	O
			$2 + 3 = 5$			
			$00 + 000 = 00000$			
			Tens			
			$2 + 1 = 3$			
1	2	2	$00 + 0 = 000$	2	1	5
			Hundreds			
			$1 + 2 = 3$			
+2	1	3	$0 + 0 = 000$	+ 1	3	2
3	3	5		3	4	7

Activity: Add the following

H	T	O
3	5	0
+ 1	1	4
<hr/>		
<hr/>		

H	T	O
1	4	4
+ 1	0	3
<hr/>		
<hr/>		

H	T	O
4	0	3
+ 2	6	
<hr/>		
<hr/>		

H	T	O
5	0	0
+ 3	4	5
<hr/>		
<hr/>		

H	T	O
1	2	1
+ 1	3	3
<hr/>		
<hr/>		

H	T	O
4	2	2
+ 3	2	2
<hr/>		
<hr/>		

H	T	O
3	2	2
+ 4	5	
<hr/>		
<hr/>		

H	T	O
3	5	0
+ 1	1	5
<hr/>		
<hr/>		

LESSON 5

TOPIC: OPERATIONS ON NUMBERS

Subtopic: Application of addition using the three place values. (Hundreds, Tens and Ones)

Dear learner, you are welcome to today's activity.

By the end of the lesson you should be able to:-

- Read the word problem
- Arrange place values
- Add correctly starting from ones, tens and hundreds in that order

Application of addition

For example

1. Mummy baked 120 cakes. Daddy baked 136 cakes. How many cakes did they bake altogether?

H	T	O	
1	2	0	
+ 1	3	6	
<hr/>			
2	5	6	cakes
<hr/>			

2. A school has 255 books. They bought 200 more books. How many books are they altogether?

H	T	O	
2	5	5	
+ 2	0	0	
<hr/>			
4	5	5	books
<hr/>			

Note that you have to present the correct units in your answers.

STAY HOME! STAY SAFE!

Activity

1. Nambooze had 125 pencils. Mummy gave her 20 more pencils.
How many pencils did she have altogether?
2. Alex had 130 bags of rice. He was given 15 more bags by the
COVID-19 task force. How many bags did he have altogether?
3. Dr. Kato has 45 patients. He got 31 more patients. How many
patients does he have altogether?
4. Officer Enanga had 230 masks. He was given 167 more masks.
How many pancakes does he have altogether?
5. The Primary 2 class has 210 balls. They were given 320 more balls.
How many balls do they have altogether?
6. The shepherd has 140 sheep. He bought 40 more sheep. How many
sheep does he have altogether?

