

ADDITION OF WHOLE NUMBERS (WITHOUT REGROUPING)

II-A

Objective: Adds 2 - 3 digit numbers with 2 or more addends without regrouping

This module is part of a series of a multi-level modules for English, Filipino and Mathematics developed by the Curriculum Development Division of the Bureau of Elementary Education under the Program for Decentralized Educational Development (PRODED). These materials have been purposely prepared to supplement and complement learnings made through the basic texts issued by the Instructional Materials Corporation (IMC). Each module constitutes the total learning process and may therefore be used not only to reinforce or enrich learning but also to develop a new lesson.

These multi-level materials are recommended for use in elementary schools in the country.

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A. Add the following:

$$\begin{array}{r} 1) \quad 3 \\ + \quad 0 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 1 \\ + \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 5 \\ + \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 0 \\ + \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 4 \\ + \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 6 \\ + \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 3 \\ + \quad 1 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 2 \\ + \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 7 \\ + \quad 1 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 4 \\ + \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 4 \\ + \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 3 \\ + \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 8 \\ + \quad 1 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 5 \\ + \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 9 \\ + \quad 0 \\ \hline \end{array}$$

B. Fill in the blanks.

Sample: 46 means 4 tens and 6 ones.

1) 18 means _____ tens and _____ ones.

2) 67 means _____ tens and _____ ones.

3) 80 means _____ tens and _____ ones.

4) _____ means 2 tens and 6 ones.

5) _____ means 4 tens and 3 ones.



Lita bought 12 mangoes.
 Lulu bought 5 mangoes.
 How many mangoes do they have in all?

The addition sentence is:

$$12 + 5 = \square$$

or

$$\begin{array}{r} 12 \\ + 5 \\ \hline \square \end{array}$$

We add it this way:

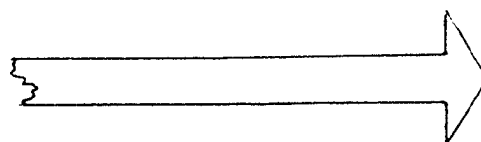
+	1	2	←	2 ones plus 5 ones are 7 ones
	5	7	←	
			←	Write 7 in the ones place.

+	1	2	
	5	7	
	1	7	

Write 1 in the tens place
 So, $12 + 5 = 17$

The sum is = 17

Lulu and Lita have 17 mangoes in all.



Now, let us add this one.

	3	4	
+	2	5	
	9		

Think:

	4	
+	5	
	□	

	3	4	
+	2	5	
	5	9	

Think:

	3	
+	2	
	□	

So, $34 + 25 =$ 59

The sum is 59

Here is another one.

	6	0	
+	2	4	
	4	4	

← 0 ones
← plus 4 ones are 4 ones
← Write 4 in the ones place

	6	0	
+	2	4	
	8	4	

← 6 tens
← plus 2 tens are 8 tens
Write 8 in the tens place
So, $60 + 24 = \underline{84}$
The sum is 84

Study these numbers.

$$123 + 4 = \square$$

or

$$\begin{array}{r} 123 \\ + 4 \\ \hline \square \end{array}$$

We do this way:

$$\begin{array}{r} 1 \quad 2 \quad 3 \\ + \quad \quad 4 \\ \hline \quad \quad 7 \end{array}$$

← 3 ones
← plus 4 ones are 7 ones.
← Write 7 in the ones place.

$$\begin{array}{r} 1 \quad 2 \quad 3 \\ + \quad \quad 4 \\ \hline \quad 2 \quad 7 \end{array}$$

Write 2 in the tens place.

$$\begin{array}{r} 1 \quad 2 \quad 3 \\ + \quad \quad 4 \\ \hline 1 \quad 2 \quad 7 \end{array}$$

Write 1 in the hundreds place.
The sum is 127

Here is another one.

$$\begin{array}{r} 562 \\ + 24 \\ \hline \end{array}$$

Hundreds	Tens	Ones
5	6	2
+	2	4
5	8	6

Add ones in column.

$$2 + 4 = \boxed{6}$$

Add tens in column.

$$6 \text{ tens} + 2 \text{ tens} = \boxed{8} \text{ tens}$$

Write 5 in hundreds column.

So, $562 + 24 = \boxed{586}$

The sum is $\boxed{586}$

Now, look at this

$$324 + 245 = \square \quad \text{or} \quad \begin{array}{r} 324 \\ + 245 \\ \hline \square \end{array}$$

We add this way.

Add the ones first -

$$\begin{array}{r} 324 \\ + 245 \\ \hline \end{array} \begin{array}{l} \leftarrow 4 \text{ ones} \\ \leftarrow \text{plus } 5 \text{ ones are } 9 \text{ ones} \\ \leftarrow \text{We write } 9 \text{ in the ones column.} \end{array}$$

Add the tens -

$$\begin{array}{r} 324 \\ + 245 \\ \hline \end{array} \begin{array}{l} \leftarrow 2 \text{ tens} \\ \leftarrow \text{plus } 4 \text{ tens are } 6 \text{ tens.} \\ \leftarrow \text{Write } 6 \text{ in the tens column.} \end{array}$$

Add the hundreds -

$$\begin{array}{r} 324 \\ + 245 \\ \hline \end{array} \begin{array}{l} \leftarrow 3 \text{ hundreds} \\ \leftarrow \text{plus } 2 \text{ hundreds are } 5 \text{ hundreds} \\ \leftarrow \text{Write } 5 \text{ in the hundreds place} \end{array}$$



A. Copy and add.

$$\begin{array}{r} 1) \quad 47 \\ + \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 312 \\ + \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 120 \\ + \quad 630 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 71 \\ + \quad 14 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 20 \\ + \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 308 \\ + \quad 261 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 561 \\ + \quad 32 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 402 \\ + \quad 514 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 50 \\ + \quad 15 \\ \hline \end{array}$$

B. Write the sums.

$$\begin{array}{r} 1) \quad 60 \\ + \quad 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 4) \quad 256 \\ + \quad 1 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7) \quad 635 \\ + \quad 130 \\ \hline \square \end{array}$$

$$\begin{array}{r} 2) \quad 25 \\ + \quad 30 \\ \hline \square \end{array}$$

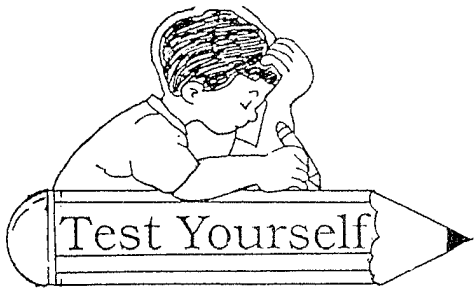
$$\begin{array}{r} 5) \quad 463 \\ + \quad 101 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8) \quad 74 \\ + \quad 23 \\ \hline \square \end{array}$$

$$\begin{array}{r} 3) \quad 809 \\ + \quad 30 \\ \hline \square \end{array}$$

$$\begin{array}{r} 6) \quad 516 \\ + \quad 123 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9) \quad 305 \\ + \quad 2 \\ \hline \square \end{array}$$



A. Find the sum of the following:

$$\begin{array}{r} 1) \quad 44 \\ + \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 60 \\ + \quad 28 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 54 \\ + \quad 22 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 82 \\ + \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 71 \\ + \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 63 \\ + \quad 21 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 50 \\ + \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 33 \\ + \quad 60 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 10 \\ + \quad 37 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 35 \\ + \quad 40 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 53 \\ + \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 90 \\ + \quad 4 \\ \hline \end{array}$$

B. Complete the sums. Give the missing digits.

$$\begin{array}{r} 1) \quad 3 \ 4 \ 3 \\ + \quad \quad 5 \\ \hline \square \ \square \ \square \end{array}$$

$$\begin{array}{r} 4) \quad 3 \ 4 \ 2 \\ + \quad 3 \ 1 \ 7 \\ \hline \square \ 5 \ \square \end{array}$$

$$\begin{array}{r} 7) \quad 2 \ 0 \ 3 \\ + \quad \quad 9 \ 1 \\ \hline \square \ \square \ 4 \end{array}$$

$$\begin{array}{r} 10) \quad 8 \ 7 \ 1 \\ + \quad \quad 2 \ 0 \\ \hline \square \ 9 \ \square \end{array}$$

$$\begin{array}{r} 2) \quad 5 \ 1 \ 1 \\ + \quad \quad 5 \ 6 \\ \hline \square \ \square \ 7 \end{array}$$

$$\begin{array}{r} 5) \quad 2 \ 1 \ 0 \\ + \quad \quad \quad 6 \\ \hline \square \ 1 \ \square \end{array}$$

$$\begin{array}{r} 8) \quad 7 \ 0 \ 5 \\ + \quad 1 \ 0 \ 3 \\ \hline 8 \ \square \ \square \end{array}$$

$$\begin{array}{r} 11) \quad 9 \ 0 \ 2 \\ + \quad \quad \quad 2 \\ \hline \square \ \square \ 4 \end{array}$$

$$\begin{array}{r} 3) \quad 2 \ 4 \ 0 \\ + \quad \quad 4 \ 8 \\ \hline \square \ 8 \ \square \end{array}$$

$$\begin{array}{r} 6) \quad 6 \ 3 \ 5 \\ + \quad 1 \ 3 \ 0 \\ \hline 7 \ \square \ \square \end{array}$$

$$\begin{array}{r} 9) \quad 4 \ 3 \ 0 \\ + \quad 3 \ 0 \ 0 \\ \hline 7 \ \square \ \square \end{array}$$

$$\begin{array}{r} 12) \quad 7 \ 2 \ 0 \\ + \quad 2 \ 3 \ 6 \\ \hline \square \ 5 \ \square \end{array}$$