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Modified In-School Off-School Approach Modules (MISOSA)
Distance Education for Elementary Schools
SELF-INSTRUCTIONAL MATERIALS



**ADDITION OF DECIMAL
NUMBERS THROUGH
HUNDREDTHS WITHOUT
AND WITH REGROUPING**



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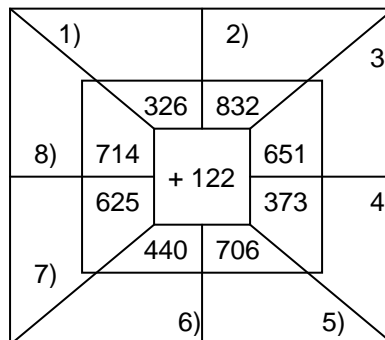
ADDITION OF DECIMAL NUMBERS THROUGH HUNDREDTHS WITHOUT AND WITH REGROUPING

Objective: Add decimals through hundredths without and with regrouping.

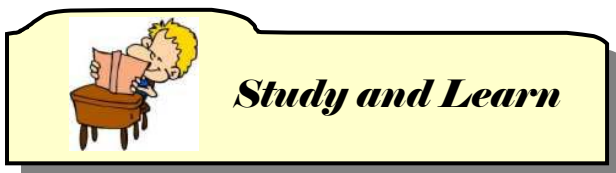


For some time now, you learned to add numbers without and with regrouping. Before we go to our next lesson, review some exercises to refresh your skill in addition.

- A. Give the sum of the numbers in the boxes following the numbers 1 to 8. Copy and answer this in your notebook.



Check your answers using the answer key. If you get a score of 7 or 8, you may go on with this lesson. If not, you have to review adding whole numbers and other past lessons.



Do you know the birthdays of your loved ones? What gift do you give them? What does it show when you give them a present or gift? Is it nice to be thoughtful? Why?





Mary bought a white tussle, 0.95 m long, to decorate the box where her mother's gift was nicely enclosed. She also used a 0.50 m long red ribbon to tie around the box. If both tussle and ribbon are measured, how long will it be?

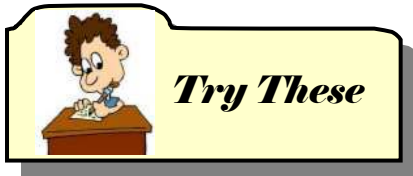
How are you going to find the answer?

To find out, add 0.95 and 0.50. **Since hundredths must be added to hundredths, tenths to tenths, and ones to ones, it is important to "have the decimal points in line."**

Line up the decimals.	Add:
0.95	0.95
0.50	<u>+ 0.50</u>
	1.45

Always place the decimal point in the answer exactly below the decimal points of the addends.

The total length of the tussle & ribbon is 1.45 metres.



A. Add the following:

1)
$$\begin{array}{r} 0.6 \\ + 0.7 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 0.92 \\ + 0.16 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 0.55 \\ + 0.05 \\ \hline \end{array}$$

4)
$$\begin{array}{r} 0.03 \\ + 0.61 \\ \hline \end{array}$$

5)
$$\begin{array}{r} 0.60 \\ + 0.95 \\ \hline \end{array}$$

6)
$$\begin{array}{r} 0.06 \\ 0.3 \\ + 0.28 \\ \hline \end{array}$$

7)
$$\begin{array}{r} 0.19 \\ 0.24 \\ + 0.8 \\ \hline \end{array}$$

8)
$$\begin{array}{r} 0.03 \\ 0.5 \\ + 0.14 \\ \hline \end{array}$$

9)
$$\begin{array}{r} \text{P}0.139 \\ 0.06 \\ + 0.50 \\ \hline \end{array}$$

10)
$$\begin{array}{r} \text{P}0.34 \\ + 0.95 \\ \hline \end{array}$$





B. Arrange in column then add.

- 1) $0.08 + 0.9 + 0.31 =$
- 2) $0.89 + 0.05 + 0.50 =$
- 3) $0.65 + 0.29 + .03 =$
- 4) $0.52 + 0.06 + 0.14 =$
- 5) $0.01 + 0.23 + 0.08 =$
- 6) $0.75 + 0.59 + 0.75 =$
- 7) $\text{P}0.34 + \text{P}0.17 =$
- 8) $\text{P}0.25 + \text{P}0.25 + \text{P}0.03 =$
- 9) Add 0.69 to the sum of 0.37 and 0.79
- 10) Find the sum of $0.47 + 0.36 + 0.12 =$



Wrap Up

How do you add decimal numbers without or with regrouping?

In adding decimal numbers follow these steps:

- Align the decimal points
- Add like adding whole numbers. Regroup if necessary.
- Place the decimal point exactly below the decimal points of the addends.



On Your Own

A. Add:

- | | | |
|---|---|---|
| 1) $\begin{array}{r} 0.9 \\ + 0.03 \\ \hline \end{array}$ | 2) $\begin{array}{r} 0.08 \\ + 0.6 \\ \hline \end{array}$ | 3) $\begin{array}{r} 0.9 \\ + 0.09 \\ \hline \end{array}$ |
| 4) $\begin{array}{r} 0.61 \\ + 0.9 \\ \hline \end{array}$ | 5) $\begin{array}{r} 0.25 \\ + 0.9 \\ \hline \end{array}$ | |





B. Answer the following:

- 1) What is the sum of 0.72 and 0.49?
- 2) Increase 0.57 by 0.38.
- 3) Add 0.46 to 0.78 then add 0.16 to their sum.
- 4) Find the sum of 0.47 and 0.36 and 0.12
- 5) Add 0.69 to the sum of 0.37 and 0.79

Check your answer with the answer key. If you get...

8-10 - *Excellent! You may now proceed to the next lesson.*

5-7 - *You need to review the processes you missed.*

0-4 - *You need to repeat the whole process.
Ask your teacher or elder to help you.*

