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



**SUBTRACTION OF DECIMALS
THROUGH HUNDREDTHS
WITHOUT AND WITH
REGROUPING**



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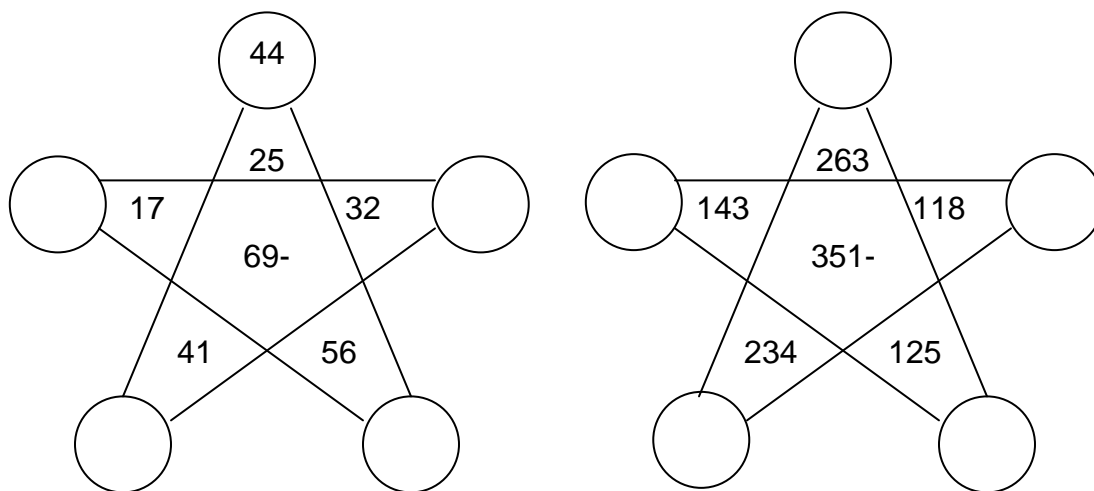
SUBTRACTION OF DECIMALS THROUGH HUNDREDTHS WITHOUT AND WITH REGROUPING

Objective: Subtract decimals through hundredths without and with regrouping



Your previous lesson talked about addition of decimals without and with regrouping. This time you must also learn to subtract decimals without or with regrouping through hundredths. But before going further, let us recall some skills related to our new lesson.

A. Subtract the outer number from the middle number. The first one is done for you.

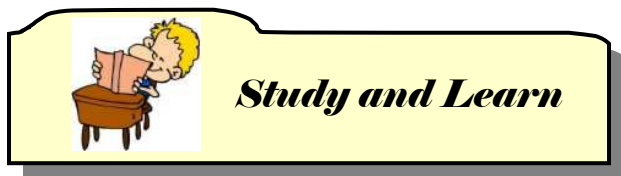


B. Give the place value of the underlined digit in the following decimals.

- a) 0.42 _____
- b) 0.38 _____
- c) 1.03 _____
- d) 5.48 _____
- e) 12.06 _____



Check your work using the key to correction. If you scored 10 to 14, you may now move on to the next lesson. If you scored 9 or below, review the lessons on how to subtract whole numbers and decimals.

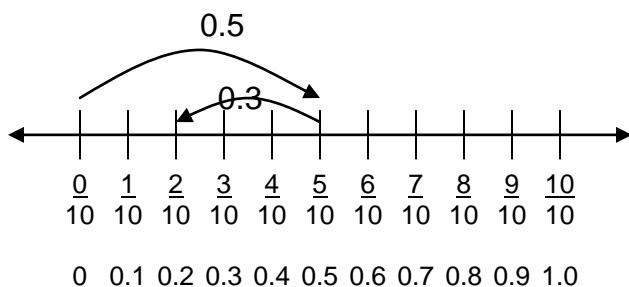


Study the problem below to understand clearly the lesson.

Mrs. Rivera bought 0.5 kg. of liver. She used 0.3 kg. in cooking mixed vegetables. How much liver was left?

Subtract to find the answer. $0.5 - 0.3 = \square$

The number line shows how the subtraction process is done.



Solution:

$$\begin{array}{r} 0.5 \rightarrow \frac{5}{10} \\ - 0.3 \rightarrow \frac{3}{10} \\ \hline 0.2 \rightarrow \frac{2}{10} \end{array}$$

Answer: *0.2 kg. of liver was left*

Study another example: $4.8 - 1.6 = \square$

Subtract the tenths. Subtract the ones. Check answer.

$$\begin{array}{r} 4.8 \\ - 1.6 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 4.8 \\ - 1.6 \\ \hline 3.2 \end{array}$$

$$\begin{array}{r} 1.6 \\ + 3.2 \\ \hline 4.8 \end{array}$$





Wrap Up

To subtract decimals, we have to align the decimal points. Then we subtract decimals just like we subtract whole numbers. Be sure to put the decimal point in the answer. The answer is called **difference**.



Try These

A. Subtract the following:

$$\begin{array}{r} 1) \ 0.73 \\ - 0.42 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \ 0.83 \\ - 0.51 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \ 0.47 \\ - 0.23 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \ 0.85 \\ - 0.10 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \ 0.52 \\ - 0.28 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \ 0.57 \\ - 0.18 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \ P0.80 \\ - 0.25 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \ P0.37 \\ - 0.35 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \ 0.85 \\ - 0.37 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \ 0.56 \\ - 0.38 \\ \hline \end{array}$$

B. Write the decimals in column then subtract.

$$1) \ 0.65 - 0.40 =$$

$$2) \ 0.12 - 0.05 =$$

$$3) \ 0.67 - 0.43 =$$

$$4) \ P0.62 - 0.03 =$$

$$5) \ P0.75 - P0.25 =$$

C. Read and solve the problem.

1. Some boy scouts hiked a distance of 0.75 kilometre in the morning and 0.43 kilometre in the afternoon. How much farther did they hike in the morning than in the afternoon? ($0.75 - 0.43$)
2. In a long jump competition, Emma recorded 0.85 meter while Lina has a record of 0.48 meter. How much farther did Emma jump than Lina?





On Your Own

A. Subtract the following:

1) $0.81 - 0.6 =$

4) $0.92 - 0.8 =$

2) $0.85 - 0.10 =$

5) $(0.96 - 0.6) - 0.19 =$

3) $\text{P}0.9 - \text{P}0.26 =$

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

4-5 - *Excellent! You may now proceed to the next lesson.*

3 - *You need to review the processes you missed.*

0-2 - *You need to repeat the whole process.
Ask your teacher or elder to help you.*

