



# MATHEMATICS 307

## Contents

<b>I. Add and Subtract, Multiplication Facts, Mixed Numbers . . . . .</b>	<b>2</b>
<b>II. Measurements, Subtraction, Mixed Numbers, Even and Odd, Probability . . . . .</b>	<b>8</b>
<b>III. Probability, Graphs, Shapes . . . . .</b>	<b>15</b>
<b>IV. Money, Missing Number Problems, Rounding . . . . .</b>	<b>22</b>
<b>V. Review, Story Problems . . . . .</b>	<b>29</b>

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Alpha Omega Publications®

804 N. 2nd Ave. E., Rock Rapids, IA 51246-1759

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**Revver**



**Vicky**



**My name is**

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### **Memory Verse**

“Thou shalt not commit adultery.”

Exodus 20:14

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### **Objectives**

1. I can learn the meaning of multi-digit numbers.
2. I can subtract numbers to thousands' with borrowing.
3. I can learn multiplication facts for 5.
4. I can read and write mixed numbers.
5. I can add and subtract mixed numbers.
6. I can learn to subtract with zeros in the minuend.
7. I can learn rules for subtracting even and odd numbers.
8. I can learn the value of knowing probability.
9. I can learn about circle graphs.
10. I can find missing numbers in addition problems.

## I. Part One

Digits are the number symbols that we use to write numbers.  
We use digits to write numbers the way we use the alphabet to write words.



### 1.1 Write the ten digits.

\_\_\_\_\_

We can describe numbers as having ...

one-digit 3, two-digits 35, three-digits 350, or four-digits 4,350.

Any number that contains two or more digits is a multi-digit number.

### 1.2 Using any digits, write two ...



one-digit numbers. \_\_\_\_\_

two-digit numbers. \_\_\_\_\_

three-digit numbers. \_\_\_\_\_

four-digit numbers. \_\_\_\_\_

multi-digit numbers. \_\_\_\_\_

The order of the letters in a word tells us the meaning of the word.

bat - tab      rat - tar      was - saw      tip - pit

The order of the digits in a number tells us the value of the digits.

### 1.3 Write a multi-digit number using the digit 9 in the ...

ones' place. \_\_\_\_\_      tens' place. \_\_\_\_\_

hundreds' place. \_\_\_\_\_      thousands' place. \_\_\_\_\_

In which number does the digit 9 have the ...

greatest value? \_\_\_\_\_. the least value? \_\_\_\_\_.

## 1.4 Add.

$$\begin{array}{r} 37 \\ 63 \\ + 82 \\ \hline \end{array}$$

$$\begin{array}{r} 839 \\ + 652 \\ \hline \end{array}$$

$$\begin{array}{r} 278 \\ 456 \\ + 290 \\ \hline \end{array}$$

$$\begin{array}{r} 2,037 \\ + 5,461 \\ \hline \end{array}$$

$$\begin{array}{r} 6,352 \\ + 2,506 \\ \hline \end{array}$$

We can add four-digit numbers with carrying.

$\overset{1}{1}1$	Add ones.	$9 + 2 = 11$	Write the 1 and carry 1 ten.
3,579	Add tens.	$1 + 7 + 8 = 16$	Write the 6 and carry 1 hundred.
<u>2,682</u>	Add hundreds.	$1 + 5 + 6 = 12$	Write the 2 and carry 1 thousand.
<u>6,261</u>	Add thousands.	$1 + 3 + 2 = 6$	Write the comma in the sum.

We do not always need to carry each place.

$\overset{1}{1}1$	Add ones.	$0 + 7 = 7$	Write the 7.
1,840	Add tens.	$4 + 9 = 13$	Write the 3 and carry 1 hundred.
<u>3,597</u>	Add hundreds.	$1 + 8 + 5 = 14$	Write the 4 and carry 1 thousand.
<u>5,437</u>	Add thousands.	$1 + 1 + 3 = 5$	Write the comma in the sum.

## 1.5 Add.

$$\begin{array}{r} 3,865 \\ + 2,409 \\ \hline \end{array}$$

$$\begin{array}{r} 2,630 \\ + 4,715 \\ \hline \end{array}$$

$$\begin{array}{r} 5,863 \\ + 2,729 \\ \hline \end{array}$$

$$\begin{array}{r} 4,318 \\ + 4,659 \\ \hline \end{array}$$

$$\begin{array}{r} 1,865 \\ + 1,745 \\ \hline \end{array}$$

$$\begin{array}{r} 3,239 \\ + 4,560 \\ \hline \end{array}$$

$$\begin{array}{r} 3,827 \\ + 5,694 \\ \hline \end{array}$$

$$\begin{array}{r} 2,543 \\ + 5,861 \\ \hline \end{array}$$

## 1.6 Subtract.

$$\begin{array}{r} \square \square \\ 85 \\ - 46 \\ \hline \end{array}$$

$$\begin{array}{r} \square \square \\ 956 \\ - 329 \\ \hline \end{array}$$

$$\begin{array}{r} \square \square \\ 637 \\ - 284 \\ \hline \end{array}$$

$$\begin{array}{r} \square \square \square \\ 851 \\ - 576 \\ \hline \end{array}$$

$$\begin{array}{r} 5,843 \\ - 3,620 \\ \hline \end{array}$$

When we need to borrow in a subtraction problem with multi-digit numbers, we should complete the borrowing and regrouping before we subtract.

Follow the example.

$$\begin{array}{r} \phantom{0}12 \phantom{0}15 \\ \square 6 \phantom{0} \cancel{3} \phantom{0} \cancel{5} \phantom{0}14 \\ \phantom{0} \cancel{7} \phantom{0} \cancel{3} \phantom{0} \cancel{6} \phantom{0} \cancel{4} \\ - 2,975 \\ \hline 4,389 \end{array}$$



Borrow one ten (10 ones). Cross out the 6 and write 5 above it.

Add the 10 ones to 4 ones.  $10 + 4 = 14$

Borrow 1 hundred (10 tens). Cross out the 3 and write 2 above it.

Add 10 tens to 5 tens.  $10 + 5 = 15$

Borrow 1 thousand (10 hundreds). Cross out the 7 and write 6 above it.

Add 10 hundreds to 2 hundreds.  $10 + 2 = 12$

Subtract.  $14 - 5 = 9$     $15 - 7 = 8$     $12 - 9 = 3$     $6 - 2 = 4$

## 1.7 Subtract.

$$\begin{array}{r} \square \square \square \square \\ 5,246 \\ - 3,758 \\ \hline \end{array}$$

$$\begin{array}{r} \square \square \square \square \\ 6,240 \\ - 2,486 \\ \hline \end{array}$$

$$\begin{array}{r} \square \square \square \square \\ 8,263 \\ - 2,754 \\ \hline \end{array}$$

$$\begin{array}{r} \square \square \square \square \\ 4,385 \\ - 2,698 \\ \hline \end{array}$$

$$\begin{array}{r} \square \square \square \square \\ 7,361 \\ - 4,583 \\ \hline \end{array}$$

$$\begin{array}{r} \square \square \square \square \\ 6,572 \\ - 3,685 \\ \hline \end{array}$$

$$\begin{array}{r} \square \square \square \square \\ 4,263 \\ - 2,474 \\ \hline \end{array}$$

$$\begin{array}{r} \square \square \square \square \\ 9,732 \\ - 7,864 \\ \hline \end{array}$$