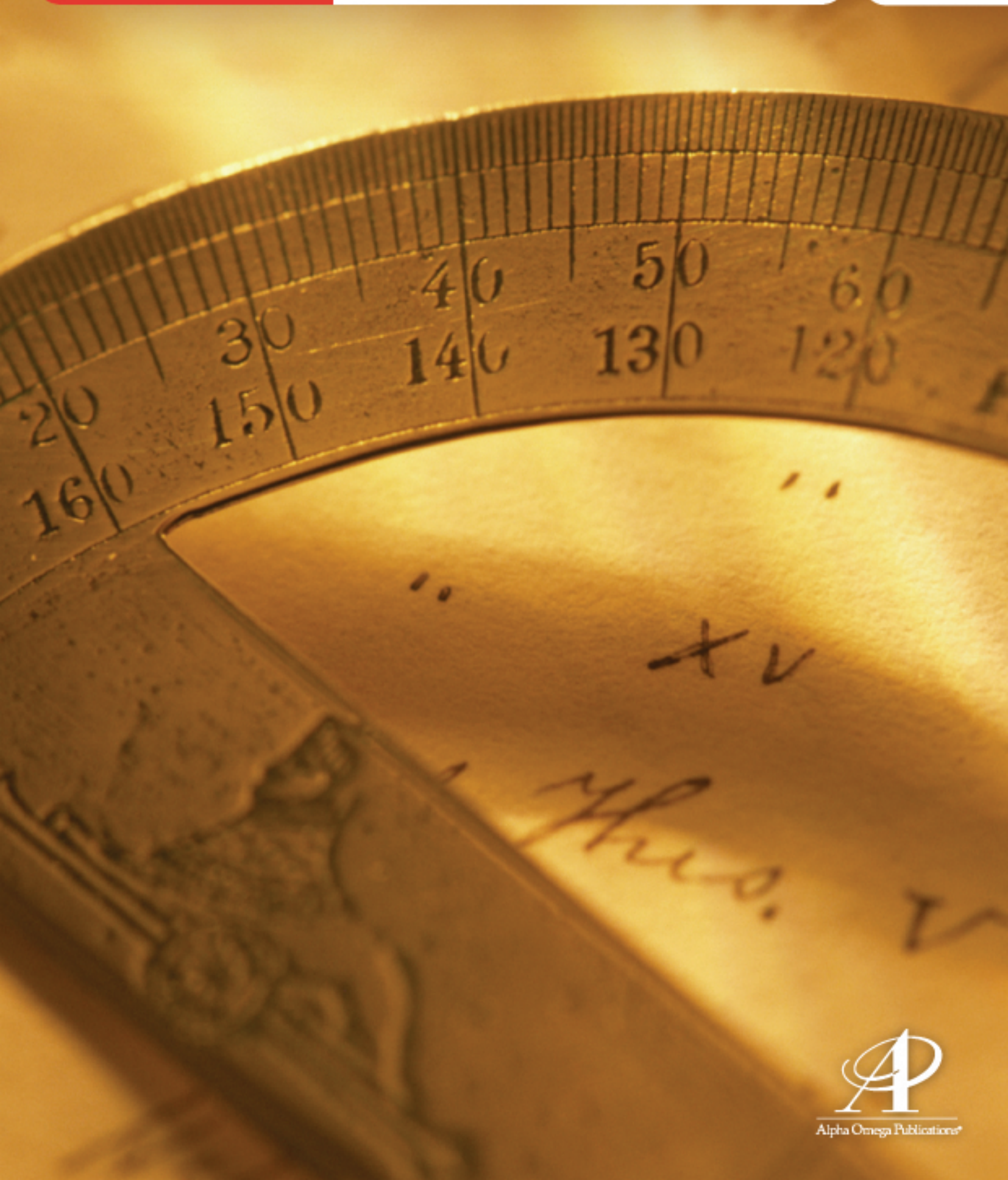
LIFEPAC® Math



Alpha Omega Publications®

MATHEMATICS 307

Contents

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Meet our friends.
There's Doc and Revver,
and Vicky, too.

They'll guide
you through the LIFEPACs,
and keep the scores
for you.

Doc

Vicky

Revver

My name is

Memory Verse

"Thou shalt not commit adultery."

Exodus 20:14

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.

37 63 + 82	839 + 652	278 456 + 290	2,037 + 5,461	6,352 + 2,506

We can add four-digit numbers with carrying.

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.
2,682	Add hundreds.	1 + 5 + 6 = 12	Write the 2 and carry 1 thousand.
6,261	Add thousands.	1 + 3 + 2 = 6	Write the comma in the sum.

We do not always need to carry each place.

1 1	Add ones.	0 + 7 = 7	Write the 7.
1,840	Add tens.	4 + 9 = 13	Write the 3 and carry 1 hundred.
3,597	Add hundreds.	1 + 8 + 5 = 14	Write the 4 and carry 1 thousand.
5,437	Add thousands.	1 + 1 + 3 = 5	Write the comma in the sum.

1.5 Add.

3,865 + 2,409	2,630 + 4,715	5,863 + 2,729	4,318 + 4,659
1,865 + 1,745	3,239 + 4,560	3,827 + 5,694	2,543 + 5,861

1.6 Subtract.

85 − 46	956 − 329	637 − 284	851 − 576	5,843 − 3,620

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.

$$\begin{array}{r} {\scriptstyle 12\ \ 15} \\ 6\ \not{2}\ \not{5}\ 14 \\ \not{7},3\not{6}\not{4} \\ -\ 2,975 \\ \hline 4,389 \end{array}$$

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.

5,246 − 3,758	6,240 − 2,486	8,263 − 2,754	4,385 − 2,698
7,361 − 4,583	6,572 − 3,685	4,263 − 2,474	9,732 − 7,864