

Addition & Subtraction

TEKS Notebook

3.4A

10

GROUPING Addends

In math problems, I need to do what is inside the parenthesis () _____

Solve the problem two ways. Look at the parenthesis to see which numbers to add first.

The bowling scores of 3 team members were 188, 256 and 192. What is the combined score of all 3 team members?



$$(188+256)+192$$

$$188+(256+192)$$

Add the numbers in parenthesis first.

Add the other number to the sum.

+

+

Add the numbers in parenthesis first.

Add the other number to the sum.

+

+

MY DISCOVERY:

I can group the addends differently and I always get the same _____

This is called the _____ property of _____. It is also called the _____ property of _____



3rd
GRADE

Easy-to-Use Student Pages

3.4A

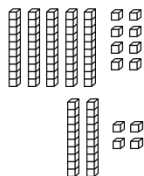
2-DIGIT ADDITION *with Regrouping*

4

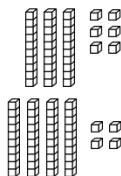
Solve each problem below. Use a blue colored pencil to shade in Base-10 blocks that are regrouped and to record regrouping in the addition problems.



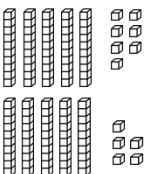
$$\begin{array}{r} 58 \\ +24 \\ \hline \end{array}$$



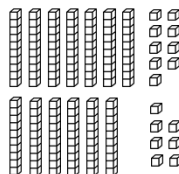
$$\begin{array}{r} 36 \\ +44 \\ \hline \end{array}$$



$$\begin{array}{r} 57 \\ +55 \\ \hline \end{array}$$



$$\begin{array}{r} 79 \\ +67 \\ \hline \end{array}$$



I can regroup 10 _____ to compose 1 ten.

I can regroup 10 _____ to compose 1 hundred.

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3.4A

SUBTRACTING *Whole Numbers*

16

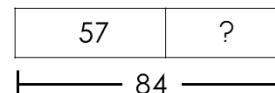
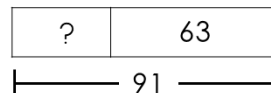
Person	Grace	Adan	Michael	Fiona
Number of Text Messages	57	92	64	75

Highlight the word or phrase in each problem that helps you decide that you need to subtract.

How many more text messages did Adan send than Fiona?

What is the difference between the number of text messages sent by Michael and Grace?

Find the missing number in each strip diagram.





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CT FROM 1.000 two ways

24

tract 1 from
bers you are
subtract.
is problem.

What do you notice
about your answer in
both subtraction
problems?



$$\begin{array}{r} 1,000 \\ -142 \\ \hline \end{array}$$

$$\begin{array}{r} 1,000 \\ -804 \\ \hline \end{array}$$



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3.5A

MULTI-STEP P-P-W problems

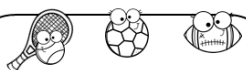
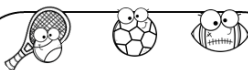
31

120 students had the choice to choose between playing tennis, soccer or football. 38 students chose tennis. 54 students chose soccer. The rest of the students chose football. How many students chose football?

Represent this problem in the strip diagrams below. Both strip diagrams will look the same to start and will be used to solve this problem in 2 ways.

FIRST WAY

SECOND WAY





TOTAL



TOTAL

SUBTRACT, THEN SUBTRACT AGAIN

ADD, THEN SUBTRACT

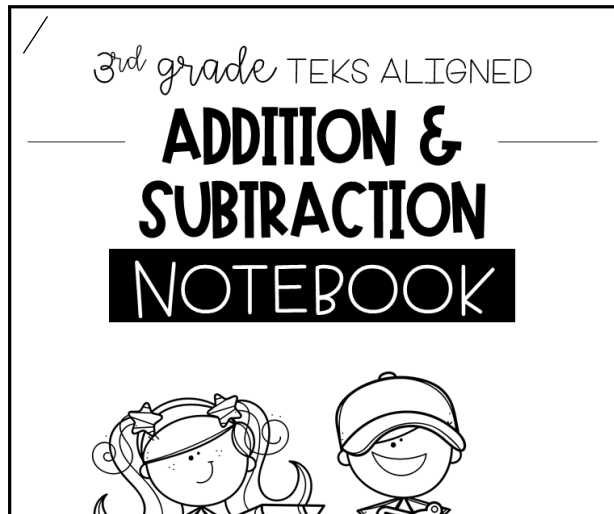
Which way is this your favorite? Why?

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No Cutting or Gluing Required

- Make stapled packets
- 3-hole punch to use in a binder
- Make the most of class time



3.4B Estimate with **COMPATIBLE NUMBERS** 12

When we estimate, we can use _____ or _____.

Oftentimes, compatible numbers can help us get a _____.

Circle numbers that are closer to 25 than they are to 20 or 30. We can choose to use 25 instead of these numbers when we estimate.

20 21 22 23 24 **25** 26 27 28 29 30

Circle numbers that are closer to 75 than they are to 70 or 80. We can choose to use 75 instead of these numbers when we estimate.

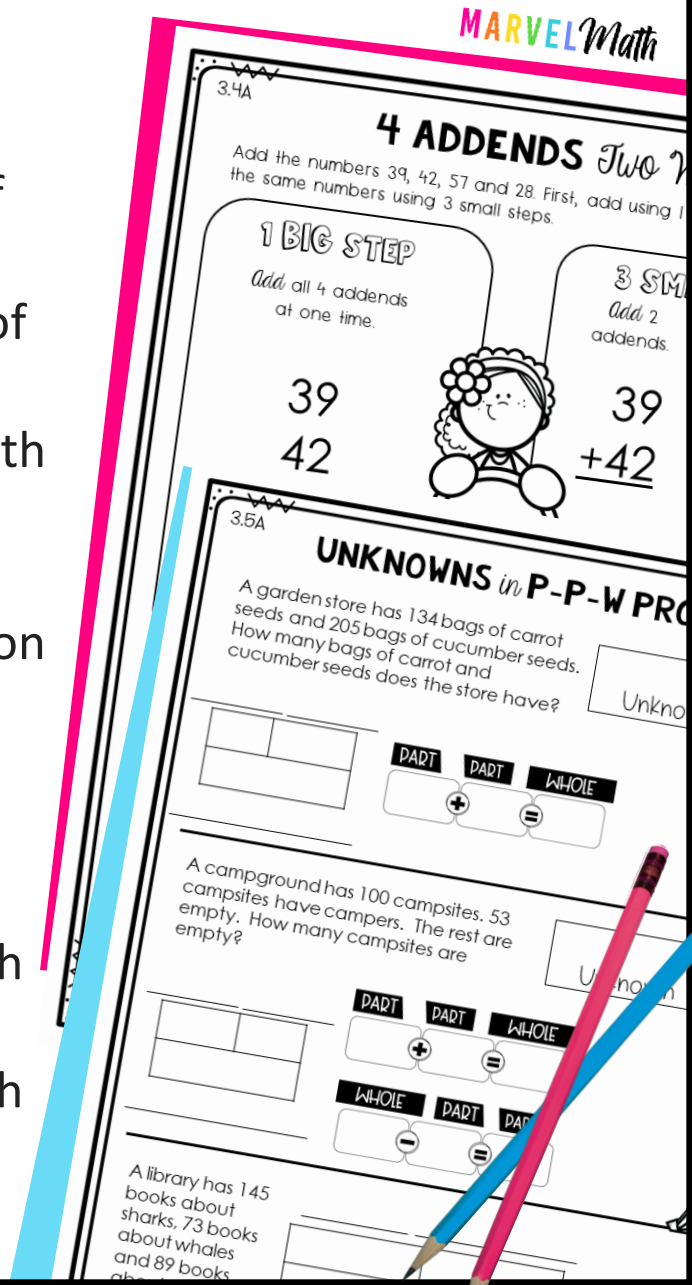
70 71 72 73 74 **75** 76 77 78 79 80

Round to the nearest ten	Actual Problem	Use compatible numbers when possible	Round to the nearest ten	Use compatible numbers when possible
$\begin{array}{r} 23 \\ +41 \\ \hline \end{array}$	$\begin{array}{r} 23 \\ +41 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ +40 \\ \hline \end{array}$	$\begin{array}{r} 88 \\ +26 \\ \hline \end{array}$	$\begin{array}{r} 90 \\ +30 \\ \hline \end{array}$
$\begin{array}{r} 49 \\ +74 \\ \hline \end{array}$	$\begin{array}{r} 49 \\ +74 \\ \hline \end{array}$	$\begin{array}{r} 50 \\ +70 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ +73 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ +70 \\ \hline \end{array}$

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Teaches Every Addition & Subtraction Topic

- ✓ 2-Digit and 3-Digit Addition with Regrouping
- ✓ Adding up to Four Addends
- ✓ Commutative (Order) Property of Addition
- ✓ Associative (Grouping) Property of Addition
- ✓ 2-Digit and 3-Digit Subtraction with Regrouping
- ✓ Subtracting Across Zeros
- ✓ Checking Subtraction with Addition
- ✓ Word Problems
- ✓ Word Problems with Extra Information
- ✓ Multi-Step Word Problems
- ✓ Representing Word Problems with Strip Diagrams
- ✓ Representing Word Problems with Number Lines
- ✓ Counting a Collection of Coins



Essential Vocabulary

Easy-to-Use Student Reference Tool

MARVELMath

ESSENTIAL ADDITION & SUBTRACTION VOCABULARY

Term	Picture or Example	Definition
Sum	$23 + 45 = 68$ $68 = 23 + 45$	The sum is the answer to an addition problem.
Addend	$23 + 45 = 68$ $68 = 23 + 45$	Addends are the numbers being added together.
Difference	$99 - 44 = 55$ $55 = 99 - 44$	The difference is the answer to a subtraction problem.
Inverse Operations	$100 - 25 = 75$ $75 + 25 = 100$	Inverse means opposite. Inverse operations undo each other. Subtraction and addition are inverse operations.
Variable	$2 + x =$	A variable is a letter or symbol that stands for an unknown number.

ESSENTIAL ADDITION & SUBTRACTION VOCABULARY

Term	Picture or Example
Regroup	
Compose	
Decompose	
Order Property of Addition (Commutative Property)	
Grouping Property of Addition (Associative Property)	

Built for the TEKS

ADDITION & SUBTRACTION

table of contents

TOPIC	TEKS	Page(s)
Vocabulary	All	1-3
2-Digit Addition with Regrouping using Base-10 Blocks	3.4A	4
Change the Order: Commutative/Order Property of Addition	3.4A	5
Three Addends	3.4A	6
Four Addends: Two Ways	3.4A	7
3-Digit Addition with Regrouping using Base-10 Blocks	3.4A	8
Extra Information in Word Problems	3.4A	9
Grouping Addends: Associative/Grouping Property of Addition	3.4A	10
Rounding to Estimate	3.4B	11
Estimate with Compatible Numbers	3.4B	12
2-Digit Subtraction with Regrouping using Base-10 Blocks	3.4A	13
Subtraction Tools for Regrouping	3.4A	14
2-Digit Subtraction Practice	3.4A	15
Subtracting Whole Numbers	3.4A	16
		17

Resource Includes



35 Student Pages



**Pages to introduce all the
Addition and Subtraction
TEKS**



Detailed Teacher KEY



**Essential Vocabulary
Section**



About the Author

This resource was created by Melissa Johnson, who has 16 years of k-10 teaching experience and a masters degree in Mathematics Education. Her resources build conceptual understanding, make connections between math topics and engage students in the mathematics they are learning.

