# North Penn School District 

Elementary Math Parent Letter

## Grade 2

## Unit 4 - Chapter 6: 3-Digit Addition and Subtraction

## Examples for each lesson

## Lesson 6.1

Draw to Represent
Use place value understanding and 3-Digit Addition

| Add 213 and 124 . <br> Draw quick pictures of 213 and 124 . | Hundreds | Tens | Ones |
| :---: | :---: | :---: | :---: |
|  |  | ! | 8 |
| 3 hundreds 3 tens 7 ones | : | : | 8 |
| Write the number. 337 |  |  |  |

## Lesson 6.2

## Break Apart 3-Digit Addends

| $\begin{array}{r} 743 \\ +\quad 124 \\ \hline \end{array}$ <br> Break apart each addend. Write the value of each digit. $\begin{aligned} & 743=\frac{700}{100}+\underline{40}+\frac{3}{20}+\underline{4} \\ & 124=\underline{100}+\underline{20}+ \end{aligned}$ <br> Add the hundreds, tens, and ones. <br> Then add these sums together. |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |

## Lesson 6.3

## 3-Digit Addition: Regroup Ones



Lesson 6.4

## 3-Digit Addition: Regroup Tens



More information on this strategy is available on Animated Math Model \#35.

## Lesson 6.5

## Addition: Regroup Ones and Tens

Use place value understanding and
properties of operations to add and subtract.

Sometimes, you may need to regroup more than once.

189
$+623$

Step I Add the ones.
There are I2 ones in all.
Regroup 12 ones as I ten 2 ones.

| 1 | 8 | 9 |
| ---: | :--- | :--- |
| +6 | 2 | 3 |
|  |  | 2 |


| Step 2 Add the tens. |  | 1 |  |
| :--- | :--- | :--- | :--- |
| There are II tens in all. |  |  |  |
| Regroup II tens as I hundred I ten. |  | 8 | 9 |
|  | +6 | 2 | 3 |
|  |  |  | 2 |
| Step 3 Add the hundreds. | 1 | 1 |  |
| There are 8 hundreds in all. | 1 | 8 | 9 |
|  | +6 | 2 | 3 |
| 8 | 1 | 2 |  |

## More information on this strategy is available on Animated Math Model \#36.

## Lesson 6.6

## Problem Solving • 3-Digit Subtraction

There were 237 books on the shelves. Mr. Davies took 126 books off the shelves.
How many books were still on the shelves?

## Unlock the Problem

| What do I need to find? <br> were still on the shelves | What information do <br> I need to use? |
| :--- | :--- |
| Show how to solve the problem. | There were 237 <br> the shelves. <br> Mr. Davies took <br> off the shelves. |
| There were ons on |  |

## Lesson 6.7

## 3-Digit Subtraction: Regroup Tens



More information on this strategy is available on Animated Math Model \#37.

## Lesson 6.8

## 3-Digit Subtraction: <br> Regroup Hundreds

Use place value understanding and
properties of operations to add and subtract.


More information on this strategy is available on Animated Math Model \#38.

## Lesson 6.9

## Subtraction: Regroup Hundreds and Tens

| You may need to regroup more than once. |  |  |
| :---: | :---: | :---: |
| 282 |  |  |
| - 198 |  |  |
| Regroup I ten as 10 | Regroup I hundred as | Subtract the hundreds. |
| - | 17 | 17 |
| $\begin{array}{r} 712 \\ 282 \end{array}$ | 1.712 282 | $\begin{aligned} & 1712 \\ & 282 \end{aligned}$ |
| -198 | -198 | -198 |
| 4 | 84 | 84 |

More information on this strategy is available on Animated Math Models \# 37, 38.

## Lesson 6.10

## Regrouping with Zeros



## Vocabulary

Addends - numbers added together in addition problems
Difference - the answer in a subtraction problem
Hundred - a group of 100 ones or 10 tens
Regroup - to exchange amounts of equal value to rename a number
Sum - the answer in an addition problem

