

# **Second Grade Module 3**

## **Place Value, Numbers to 1000, and the Contracted Form of the Horizontal Bar**

### **Check-Up Answer Key**

#### **Introduction**

- All bracketed text should not be read aloud and is for reference only.
- The questions and answers have been numbered in this document to aid teachers and parents. However, the questions are not numbered the same way, if numbered at all, in the student documents.
- It is highly recommended that this check-up be completed across two or more sessions.

#### **Part 1**

##### **Part 1 Materials**

- Student Braille Document: G2-M3-Check-Up-Student.brf
- G2-M3-Check-Up-Data-Table.docx

##### **Part 1 Teacher Script**

###### **Question 1.1**

Skip count by 10s to 200, beginning with 10.

Answer 1.1

10 20 30 40 50 60 70 80 90 100

110 120 130 140 150 160 170 180 190 200

###### **Question 1.2**

Skip count by 100s to 1000, beginning with 100.

Answer 1.2

100 200 300 400 500 600 700 800 900 1000

At the top of the braille document, you will find the title. It is followed by a blank line and the subheading Part 1 beginning in cell 5.

### Question 1.3

What is the name of the symbol that immediately follows the words Part 1?

### Answer 1.3

Opening Nemeth Code indicator

### Question 1.4

Read the numbers from 1-300 on page 1. There will be 5 numbers on each line.

Answer 1.4

267 115 138 207 98

244 300 93 176 59

139 280 36 292 160

73 118 46 189 213

251 118 168 255 145

### Question 1.5

Read the numbers from 301-600 in the middle of page 1. There will be 4 numbers on each line.

Answer 1.5

397	412	317	534
596	543	368	451
494	318	591	310
357	495	570	520
436	519	569	381
526	482	506	600

### Question 1.6

Read the numbers from 601-1000 at the bottom of page 1. There will be 4 numbers on each line.

Answer 1.6

694 628 754 923  
839 916 612 938  
703 836 949 992  
879 956 647 756  
1000 699 851 665  
625 688 749 864

### **Question 1.7**

What is the name of the symbol that follows the last number?

Answer 1.7

Nemeth Code terminator

## **Part 2**

### **Part 2 Materials**

- Base ten blocks: units, rods, and flats in different baskets, containers, or bowls (Alternative: Digi-Blocks which is a different type of base ten blocks that nest)
- Place Value Chart 3 available in contracted and uncontracted braille within the curriculum (Alternative: four-compartment sorting tray with the compartments labeled from left to right thousands, hundreds, tens, and ones in braille)
- Braillewriter
- Braille paper
- G2-M3-Check-Up-Data-Table.docx

### **Part 2 Teacher Script**

#### **Question 2.1**

Write each number and then build it by using base ten blocks (or Digi-Blocks) and your Place Value Chart.

396

Answer 2.1

⠠⠑⠠⠑⠠⠑⠠⠑

The student should write 396 and then build it with 3 flats, 9 rods, and 6 unit blocks or 3 hundreds, 9 tens, and 6 ones.

**Question 2.2**

805

Answer 2.2

⠠⠑⠠⠑⠠⠑⠠⠑

The student should write 805 and then build it with 8 flats, 0 rods, and 5 unit blocks or 8 hundreds, 0 tens, and 5 ones.

**Question 2.3**

147

Answer 2.3

⠠⠑⠠⠑⠠⠑⠠⠑

The student should write 147 and then build it with 1 flat, 4 rods, and 7 unit blocks or 1 hundred, 4 tens, and 7 ones.

**Question 2.4**

66

Answer 2.4

⠠⠑⠠⠑⠠⠑

The student should write 66 and then build it with 6 rods and 6 unit blocks or 6 tens and 6 ones.

**Question 2.5**

485

Answer 2.5

The student should write 485 and then build it with 4 flats, 8 rods, and 5 unit blocks or 4 hundreds, 8 tens, and 5 ones.

### Question 2.6

978

### Answer 2.6

The student should write 978 and then build it with 9 flats, 7 rods, and 8 unit blocks or 9 hundreds, 7 tens, and 8 ones.

### Question 2.7

1000

### Answer 2.7

The student should write 1000 and then build it with 1 cube, 0 flats, 0 rods, and 0 unit blocks or 1 thousand, 0 hundreds, 0 tens, and 0 ones.

### Question 2.8

401

### Answer 2.8

The student should write 401 and then build it with 4 flats, 0 rods, and 1 unit block or 4 hundreds, 0 tens, and 1 one.

### Question 2.9

79

### Answer 2.9



The student should write 79 and then build it with 7 rods and 9 unit blocks or 7 tens and 9 ones.

### Question 2.10

865

Answer 2.10



The student should write 865 and then build it with 8 flats, 6 rods, and 5 unit blocks or 8 hundreds, 6 tens, and 5 ones.

### Question 2.11

230

Answer 2.11



The student should write 230 and then build it with 2 flats, 3 rods, and 0 unit blocks or 2 hundreds, 3 tens, and 0 ones.

### Question 2.12

572

Answer 2.12



The student should write 572 and then build it with 5 flats, 7 rods, and 2 unit blocks or 5 hundreds, 7 tens, and 2 ones.

## Part 3

## Part 3 Materials

- Braillewriter
- Braille paper
- G2-M3-Check-Up-Data-Table.docx

## Part 3 Teacher Script

### Question 3.1

Listen and then braille what you hear. Don't forget to number your problems. Let me know if you need for me to repeat what you should braille. I will repeat it as many times as you need.

1. 31 57 94 126

### Answer 3.1

The student should write: number 1: 31 57 94 126

### Question 3.2

2. 135 186 200 237

### Answer 3.2

The student should write: number 2: 135 186 200 237

### Question 3.3

3. 258 262 289 300

### Answer 3.3

The student should write: number 3: 258 262 289 300



### Question 3.4

4. 316 327 347 411

### Answer 3.4

The student should write: number 4: 316 327 347 411

### Question 3.5

5. 428 465 509 516

Answer 3.5

The student should write: number 5: 428 465 509 516

### Question 3.6

6. 573 583 589 600

### Answer 3.6

The student should write: number 6: 573 583 589 600

### Question 3.7

7. 601 629 673 689

Answer 3.7

The student should write: number 7: 601 629 673 689

### Question 3.8

8. 751 770 796 812

Answer 3.8

The student should write: number 8: 751 770 796 812

### Question 3.9

9. 839 918 994 1000

Answer 3.9

The student should write: number 9: 839 918 994 1000

## Part 4

## Part 4 Materials

- Student Braille Document: G2-M3-Check-Up-Student.brf
- Braillewriter
- Braille paper
- G2-M3-Check-Up-Data-Table.docx

## Part 4 Teacher Script

Look at the top of page 2. There is a subheading entitled Part 4 followed by the opening Nemeth code indicator.

### Question 4.1

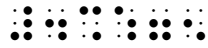
Find the directly under indicator in the first problem on page 2.

### Answer 4.1

The directly under indicator is located in the fourth cell.

### Question 4.2

Find the horizontal bar symbol in the second problem on page 2.



### Answer 4.2



The horizontal bar symbol is located in the fourth cell.

### Question 4.3

Now, read the rest of the numbers on the page that have a single underlined digit.



**Answer 4.3**

237 two hundred thirty-seven with a bar under the 3  
784 seven hundred eighty-four with a bar under the 7  
469 four hundred sixty-nine with a bar under the 4  
990 nine hundred ninety with a bar under the second 9  
128 one hundred twenty-eight with a bar under the 8  
851 eight hundred fifty-one with a bar under the 8  
643 six hundred forty-three with a bar under the 3  
319 three hundred nineteen with a bar under the 1  
518 five hundred eighteen with a bar under the 5  
720 seven hundred twenty with a bar under the 0  
62 sixty-two with a bar under the 2

**Question 4.4**

Listen and then braille what you hear. Let me know if you need for me to repeat what you should braille. I will repeat it as many times as you need.

horizontal bar symbol

directly under indicator

**Answer 4.4**

The student should write:

horizontal bar symbol (dots 1-5-6)

⠠

directly under indicator (dots 1-4-6)

⠠

### Question 4.5

Continue to braille what you hear. After you write each number with a single underlined digit, press the line spacing key to move to the next line.

235

459

74

621

997

568

410

36

672

800

Answer 4.5

The student should write:

two hundred thirty-five with a bar under the 2

four hundred fifty-nine with a bar under the 9

seventy-four with a bar under the 7

Figure 1 shows five 3x3 dot patterns labeled (a) through (e). Each pattern consists of a 3x3 grid of dots, with some dots missing or filled. The patterns are as follows:

- (a) 5 dots: Top row (1,1), (1,2), (1,3); Middle row (2,1), (2,2); Bottom row (3,1), (3,2).
- (b) 6 dots: Top row (1,1), (1,2), (1,3); Middle row (2,1), (2,2), (2,3); Bottom row (3,1), (3,2).
- (c) 7 dots: Top row (1,1), (1,2), (1,3); Middle row (2,1), (2,2), (2,3); Bottom row (3,1), (3,2), (3,3).
- (d) 8 dots: Top row (1,1), (1,2), (1,3); Middle row (2,1), (2,2), (2,3); Bottom row (3,1), (3,2), (3,3), (3,4).
- (e) 9 dots: Top row (1,1), (1,2), (1,3); Middle row (2,1), (2,2), (2,3); Bottom row (3,1), (3,2), (3,3), (3,4), (3,5).

six hundred twenty-one with a bar under the 2

nine hundred ninety-seven with a bar under the first 9

five hundred sixty-eight with a bar under the 5

four hundred ten with a bar under the 0

thirty-six with a bar under the 6

six hundred seventy-two with a bar under the 7

eight hundred with a bar under the first 0