

First Grade Module 5

Understanding Place Value and

Numbers to 120

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

- Counting to 120 Chart available in braille within the curriculum (Although the double-spaced chart is recommended for most first graders, a single-spaced alternative chart is also available in the curriculum.)
- Student Braille Document: G1-M5-Check-Up-Student.brf
- G1-M5-Check-Up-Data-Table.docx

Part 1 Teacher Script

Question 1.1

Count aloud to 120, beginning with 1.

Answer 1.1

The braille version of this answer containing numbers from 1-120 has been split across 18 lines to accommodate for 32 cell braille displays.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

Question 1.2

Using a Counting to 120 Chart, skip count by 10s to 120, beginning with 10.

Answer 1.2

10 20 30 40 50 60 70 80 90 100 110 120

Question 1.3

Find the following numbers on this same braille chart.

38 110 49 102 55 3
80 107 96 114 65 42
112 100 64 108 79
117 86 101 118 75
103 97 113 28 120

Answer 1.3

The student should point to the following numbers on the Counting to 120 Chart:

38 110 49 102 55 3
80 107 96 114 65 42

112 100 64 108 79

117 86 101 118 75

103 97 113 28 120

Question 1.4

Use your braille chart and count to 120 beginning with the following numbers:

106 31 77 58 108 81 95 119

Answer 1.4

Numbers from 106-120

106 107 108 109 110

111 112 113 114 115 116 117 118 119 120

Numbers from 31-120

31 32 33 34 35 36 37 38 39 40

41 42 43 44 45 46 47 48 49 50

51 52 53 54 55 56 57 58 59 60

61 62 63 64 65 66 67 68 69 70

71 72 73 74 75 76 77 78 79 80

81 82 83 84 85 86 87 88 89 90

91 92 93 94 95 96 97 98 99 100

101 102 103 104 105 106 107 108 109 110

111 112 113 114 115 116 117 118 119 120

Numbers from 77-120

							77	78	79	80
81	82	83	84	85	86	87	88	89	90	
91	92	93	94	95	96	97	98	99	100	
101	102	103	104	105	106	107	108	109	110	
111	112	113	114	115	116	117	118	119	120	

Numbers from 58-120

							58	59	60	
61	62	63	64	65	66	67	68	69	70	
71	72	73	74	75	76	77	78	79	80	
81	82	83	84	85	86	87	88	89	90	
91	92	93	94	95	96	97	98	99	100	
101	102	103	104	105	106	107	108	109	110	
111	112	113	114	115	116	117	118	119	120	

Numbers from 108-120

							108	109	110	
111	112	113	114	115	116	117	118	119	120	

Numbers from 81-120

81	82	83	84	85	86	87	88	89	90	
91	92	93	94	95	96	97	98	99	100	
101	102	103	104	105	106	107	108	109	110	
111	112	113	114	115	116	117	118	119	120	

Numbers from 95-120

95 96 97 98 99 100
101 102 103 104 105 106 107 108 109 110
111 112 113 114 115 116 117 118 119 120

Numbers 119-120

119 120

Question 1.5

Use your braille chart and skip count by 10 through the last row in the chart, beginning with the following numbers:

6 29 45 72 88 12

Answer 1.5

6 16 26 36 46 56 66 76 86 96 106 116
29 39 49 59 69 79 89 99 109 119
45 55 65 75 85 95 105 115
72 82 92 102 112
88 98 108 118
12 22 32 42 52 62 72 82 92 102 112

Question 1.6

Read the numbers from 1-50 on page 1. There will be 4 numbers on each line.

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Answer 1.6

34 19 42 50
13 29 30 43
49 32 28 21
6 37 44 48
36 7 31 40
25 38 22 12

Question 1.7

Turn to page 2 and read the numbers from 51-100. There will be 4 numbers on each line.

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Answer 1.7

87 100 96 78

65 83 51 79

55 90 71 68

56 80 86 82

94 91 99 88

59 93 84 72

64 58 75 63

Question 1.8

Turn to page 3 and read the numbers from 101-120. There will be 5 numbers on each line.

Answer 1.8

109 120 112 115 108

105 116 117 103 110

107 114 102 104 101

111 119 113 118 106

Part 2

Part 2 Materials

- Braillewriter
- Braille paper
- Place Value Chart 1 available in braille within the curriculum
(Alternative: two-compartment sorting tray with the right compartment labeled "ones" and the left compartment labeled "tens" in braille.)
- Base ten units and rods in different containers, baskets, or bowls
(Alternative: Digi-Blocks which is a different type of base ten blocks that nest)
- G1-M5-Check-Up-Data-Table.docx

Part 2 Teacher Script

Question 2.1

Write the number and then build it by using base ten blocks (or Digi-Blocks) and your Place Value Chart. Don't forget to number your problems.

1. 17
2. 8
3. 12
4. 20
5. 10
6. 31
7. 48
8. 50
9. 28
10. 36

Answer 2.1

The student should:

- write number 1: 17
- build 17 with 1 rod (tens block) and 7 unit blocks

- write number 2: 8
- build 8 with 0 rods (tens blocks) and 8 unit blocks

- write number 3: 12
- build 12 with 1 rod (tens block) and 2 unit blocks

- write number 4: 20
- build 20 with 2 rods (tens blocks) and no unit blocks

- write number 5: 10
- build 10 with 1 rod (tens block) and no unit blocks

Figure 1 shows four 3x3 dot patterns. Pattern (a) has 6 dots: (1,1), (1,2), (2,1), (2,2), (3,1), (3,2). Pattern (b) has 7 dots: (1,1), (1,2), (2,1), (2,2), (2,3), (3,1), (3,2). Pattern (c) has 8 dots: (1,1), (1,2), (2,1), (2,2), (2,3), (3,1), (3,2), (3,3). Pattern (d) has 9 dots: (1,1), (1,2), (2,1), (2,2), (2,3), (3,1), (3,2), (3,3), (3,4).

- write number 6: 31
- build 31 with 3 rods (tens blocks) and 1 unit block

- write number 7: 48
- build 48 with 4 rods (tens blocks) and 8 unit blocks

Figure 1 shows four 3x3 dot patterns. Pattern (a) has 6 dots: (1,1), (1,2), (2,1), (2,2), (3,1), (3,2). Pattern (b) has 7 dots: (1,1), (1,2), (2,1), (2,2), (2,3), (3,1), (3,2). Pattern (c) has 8 dots: (1,1), (1,2), (2,1), (2,2), (2,3), (3,1), (3,2), (3,3). Pattern (d) has 9 dots: (1,1), (1,2), (2,1), (2,2), (2,3), (3,1), (3,2), (3,3), (3,4).

- write number 8: 50
- build 50 with 5 rods (tens blocks) and no unit blocks

Figure 1 shows four 3x3 dot patterns. Pattern (a) has 6 dots: (1,1), (1,2), (2,1), (2,2), (3,1), (3,2). Pattern (b) has 7 dots: (1,1), (1,2), (2,1), (2,2), (2,3), (3,1), (3,2). Pattern (c) has 8 dots: (1,1), (1,2), (2,1), (2,2), (2,3), (3,1), (3,2), (3,3). Pattern (d) has 9 dots: (1,1), (1,2), (2,1), (2,2), (2,3), (3,1), (3,2), (3,3), (3,4).

- write number 9: 28
- build 28 with 2 rods (tens blocks) and 8 unit blocks

- write number 10: 36
- build 36 with 3 rods (tens blocks) and 6 unit blocks

Question 2.2

Let's try a few more!

- | | |
|-----|----|
| 11. | 55 |
| 12. | 74 |
| 13. | 66 |
| 14. | 51 |
| 15. | 70 |
| 16. | 99 |
| 17. | 82 |
| 18. | 76 |
| 19. | 97 |
| 20. | 83 |

Answer 2.2

The student should:

- write number 11: 55
- build 55 with 5 rods (tens blocks) and 5 unit blocks

Figure 1 shows four 3x3 dot patterns labeled (a), (b), (c), and (d). Each pattern consists of a 3x3 grid of dots, with some dots missing. Pattern (a) has 6 dots, (b) has 7 dots, (c) has 8 dots, and (d) has 9 dots. The patterns are arranged in a row, with (a) and (b) on the left, and (c) and (d) on the right.

- write number 12: 74
- build 74 with 7 rods (tens blocks) and 4 unit blocks

- write number 13: 66
- build 66 with 6 rods (tens blocks) and 6 unit blocks

- write number 14: 51
- build 51 with 5 rods (tens blocks) and 1 unit block

- write number 15: 70
- build 70 with 7 rods (tens blocks) and 0 unit blocks

- write number 16: 99
- build 99 with 9 rods (tens blocks) and 9 unit blocks

- write number 17: 82
- build 82 with 8 rods (tens blocks) and 2 unit blocks

- write number 18: 76
- build 76 with 7 rods (tens blocks) and 6 unit blocks

- write number 19: 97
- build 97 with 9 rods (tens blocks) and 7 unit blocks

- write number 20: 83
- build 83 with 8 rods (tens blocks) and 3 unit blocks

Part 3

Part 3 Materials

- Braillewriter
- Braille paper
- Base ten units, rods, and flats in different containers, baskets, or bowls (Alternative: Digi-Blocks which is a different type of base ten blocks that nest)
- Place Value Chart 2 available in contracted and uncontracted braille within the curriculum (Alternative: three-compartment sorting tray with the right compartment labeled "ones", middle compartment labeled "tens", and left compartment labeled "hundreds" in braille.)
- G1-M5-Check-Up-Data-Table.docx

Part 3 Teacher Script

Question 3.1

Take out your braillewriter and write problem number 1.

[Use the place value chart, flats, tens blocks (rods), and unit blocks to build the following numbers one at a time: 103, 117, 108, 100, and 120.]

Now, I will build several numbers with flats, rods, and unit blocks. Count the blocks and then write each number. Space one time between the numbers.

Answer 3.1

The student should write number 1: 103, 117, 108, 100, and 120.

Question 3.2

Continue numbering your problems. Write the number and then build it by using base ten blocks (or Digi-Blocks) and Place Value Chart 2.

2. 101

3. 112

4. 105

5. 110

6. 118

7. 119

Answer 3.2

The student should:

- write number 2: 101
- build 101 with 1 flat, 0 rods (tens blocks), and 1 unit block

Figure 1 shows four 3x3 dot patterns labeled (a), (b), (c), and (d). Pattern (a) has 5 dots, (b) has 6 dots, (c) has 7 dots, and (d) has 8 dots. Each pattern consists of black dots on a 3x3 grid.

- write number 3: 112
- build 112 with 1 flat, 1 rod (tens block), and 2 unit blocks

Figure 1 shows four 3x3 dot patterns. Pattern (a) has 5 dots: (1,1), (1,2), (2,1), (2,2), (3,1). Pattern (b) has 6 dots: (1,1), (1,2), (2,1), (2,2), (2,3), (3,1). Pattern (c) has 7 dots: (1,1), (1,2), (2,1), (2,2), (2,3), (3,1), (3,2). Pattern (d) has 8 dots: (1,1), (1,2), (2,1), (2,2), (2,3), (3,1), (3,2), (3,3). Coordinates are (row, column) from top-left.

- write number 4: 105
- build 105 with 1 flat, 0 rods (tens blocks), and 5 unit blocks

- write number 5: 110
- build 110 with 1 flat, 1 rod (tens block), and 0 unit blocks

- write number 6: 118
- build 118 with 1 flat, 1 rod (tens block), and 8 unit blocks

- write number 7: 119
- build 119 with 1 flat, 1 rod (tens block), and 9 unit blocks

Question 3.3

Listen and then braille what you hear for the rest of the problems. Don't forget to keep numbering 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.

8. 107 113 104 115

Answer 3.3

The student should write number 8: 107 113 104 115.

Question 3.4

9. 106 111 109

Answer 3.4

The student should write number 9: 106 111 109.

Question 3.5

10. 114 102 116

Answer 3.5

The student should write number 10: 114 102 116.