

Mathematics

Quarter 1 – Module 2: Whole Numbers Up to 100 000



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What I Need to Know

Good day learner! You already know how to read and write numbers up to ten thousand. This time let's make it bigger. In this module, you will learn how to give the place value and value of a digit in numbers up to 100 000. You will also read and write numbers up to hundred thousand. I know you will feel great after doing the activities in this module.

After going through this module, you are expected to:

1. give the place value and value of a digit in numbers up to 100 000; and
2. read and write numbers up to hundred thousand in symbols and in words.



What I Know

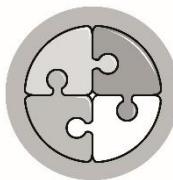
Draw  if the statement is correct and  if it is incorrect.

1. The place value of 8 in 65 875 is *hundreds*.
2. The value of the underlined digit in 57 329 is 7 000.
3. 64 231 means *sixty-four thousand, two hundred thirty-one*.
4. Eighty-four thousand, six hundred nine when written in symbol is 84 906.
5. 6 ten thousand, 4 thousands, 2 hundreds, 9 tens, 5 ones when written as one number is 64 295.

6. There are two ten thousands in 82 654.
7. In *nine thousand, six hundred twenty-eight*, the digit in the tens place is 2.
8. If 6 thousands, 4 ten thousands, 8 tens, 5 ones and 3 hundreds are arranged in their right places, the resulting number is 64 583.
9. In the number *eighty-one thousand, seven hundred thirty-five*, if the digit in the hundreds place is removed, the resulting number is 81 035.
10. The digit 6 has a higher value in 86 432 than in 61 345.

Are you done answering?

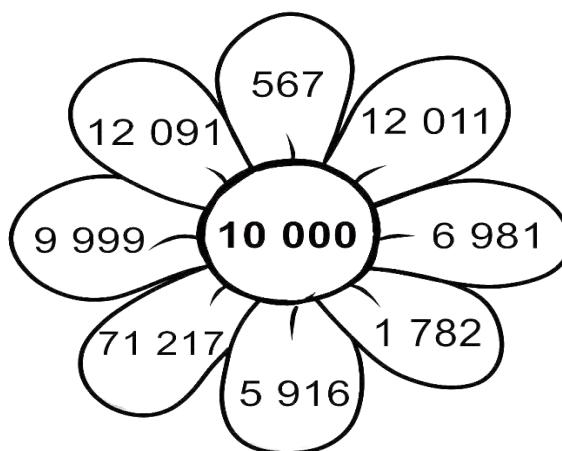
If yes, time to check. Please go to page 13 for the **Answer Key**.



What's In

Do you remember how to read and write numbers up to 10 000? Let us have a review.

- A. Copy the numbers that are less than the number indicated in the circle.



B. The following are numbers written either in symbols or in words. Write **True** if the number is correctly written in its corresponding symbol or words. Write **False** if it is not written correctly.

1. 3 912 - Three thousand, nine hundred twelve
2. 1 410 - One thousand, one hundred forty-one
3. Eight thousand, one hundred sixty-three- 8 163
4. Four thousand, nine hundred twenty-one -4 219
5. Seven thousand, three hundred eighty-two - 7 382

Are you done answering?

If yes, time to check. Please go to page 13 for the **Answer Key**.



What's New

Read the problem.

The boy scouts and girl scouts of Sorsogon City participated in a tree planting activity. They planted 62 453 seedlings.



1. What is the place value and value of each digit?
2. How do you read and write the number 62 453 in words and in symbol?

Answer the given problem.



What is It

You can answer the questions by giving the place value and the value of each digit and reading and writing the numbers in symbols and in words.

Let us see if we have the same answer. Read and follow the presentation. Then, let us check if you were able to read and write the numbers in symbols and in words correctly. Let us also find out if you were able to give the correct place value and value of each digit.

Study how 62 453 is written in the **Place Value Chart**.

PERIODS	THOUSANDS			UNITS		
Place Value	Hundred Thousands	Ten Thousands	Thousands	Hundred s	Tens	Ones
Digits		6	2	4	5	3

The place value of 3 is **ones**. The value is **3**.

The place value of 5 is **tens**. The value is **50**.

The place value of 4 is **hundreds**. The value is **400**.

The place value of 2 is **thousands**. The value is **2 000**.

The place value of 6 is **ten thousands**. The value is **60 000**.

The value of a digit is determined by multiplying that digit by its place value.

62 453 is made up of *6 ten thousands*, *2 thousands*, *4 hundreds*, *5 tens* and *3 ones*. So, $62\ 453 = 60\ 000 + 2\ 000 + 400 + 50 + 3$.

To read numbers up to hundred thousand:

1. *Separate the digits into periods (thousands and units).*
2. *From the left, read the number formed by the digits in the thousands period followed by the name of the period (thousand).*

3. Do the same with the units period without saying the name of the period.

62 453 is read as “sixty-two thousand, four hundred fifty-three”.

Zeros are not read when they are used to hold the place value of non-zero digits.

Examples: 43 023 – Forty-three thousand, twenty-three

80 701 – Eighty thousand, seven hundred one

Let's read these examples.

72 512 – Seventy-two thousand, five hundred twelve

14 926 – Fourteen thousand, nine hundred twenty-six

10 748 – Ten thousand, seven hundred forty-eight

To write numbers up to hundred thousand in symbols, we use space to separate the digits into periods or groups of three starting from the right.

- Thousands have two periods (thousands and units) – the units period should always be composed of three digits.
- Use zero as a place value holder of the missing digits in the units. They are written but not read.

Let's study these examples.

Ninety-two thousand, three hundred eighteen – 92 318

Forty-eight thousand, fifty-two – 48 052

Seventeen thousand, six – 17 006

Fifty-three thousand, one hundred two – 53 102

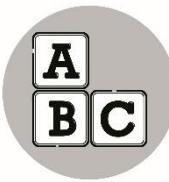
To write numbers in words, write them as they are read and use a comma to separate the thousands and units period.

Examples: 21 890 – Twenty-one thousand, eight hundred ninety

75 326 – Seventy-five thousand, three hundred twenty-six

49 013 – Forty-nine thousand, thirteen

Now, you already learned the place value and value of a digit in numbers up to 100000 and how to read numbers up to hundred thousand. This time you are now ready for the activities. LET'S GO!



What's More

Activity 1

A. In the number 59 438, write the digit in the given place value.

1. Tens _____
2. Ones _____
3. Ten thousands _____
4. Thousands _____
5. Hundreds _____

B. Write the value of the underlined digit.

6. 14 957 _____
7. 39 356 _____
8. 19 386 _____
9. 93 610 _____
10. 73 016 _____

Are you done answering?

If yes, time to check. Please go to page 13 for the **Answer Key**.

Assessment 1

Write the missing numbers.

1. $87\ 546 = 80\ 000 + \underline{\hspace{2cm}} + 500 + 40 + 6$
2. $98\ 923 = \underline{\hspace{2cm}} + 8\ 000 + 900 + 20 + \underline{\hspace{2cm}}$
3. $3\ 729 = 3\ 000 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$
4. $60\ 000 + 2\ 000 + 400 + 30 + 8 = \underline{\hspace{2cm}}$
5. $50\ 000 + 7\ 000 + 800 + 20 + 6 = \underline{\hspace{2cm}}$
6. $9\ 000 + 400 + 8 = \underline{\hspace{2cm}}$
7. $47\ 534 = 4$ ten thousands, 7 thousands, hundreds, 3 tens, 4 ones
8. $53\ 042 = 5$ ten thousands, thousands, 4 tens, 2 ones
9. $60\ 742 = \underline{\hspace{2cm}}$ ten thousands, 7 hundreds, tens, ones
10. $45\ 982 = \underline{\hspace{2cm}}$ ten thousands, thousands, 9 hundreds, tens, 2 ones

Are you done answering?

If yes, time to check. Please go to page 13 for the **Answer Key**.

Activity 2

A. Read and then write the following numbers in words.

1. 29 610 _____
2. 12 045 _____
3. 71 327 _____
4. 83 183 _____
5. 11 876 _____

B. Read and then write the following numbers in symbols.

6. Fifty-one thousand, two hundred forty-two _____
7. Eleven thousand, sixty-nine _____
8. Thirty-eight thousand, seven hundred fifty _____
9. Fourteen thousand, eighteen _____
10. Ninety thousand, nine hundred _____

Are you done answering?

If yes, time to check. Please go to page 13 for the **Answer Key**.

Assessment 2

WHAT IS THE MESSAGE?

Directions. Complete each statement below. Write your answer in the second column of the table. Then, find the corresponding letter of your answer in the letter key and record it in the last column.

N - Ones	F - Tens	E - Ten Thousands
V - Sixty-four	D - 73 854	I - Thousands
thousand, fifteen	A - 8 000	S - 50 000
O - 95 374	R - Hundreds	

Statement	Answer	Letter
1. The place value of 5 in 67 953 is _____.		
2. 12 412 means 1 ten thousand, 2 thousands, 4 _____, 1 ten, 2 ones.		
3. In 98 356, 8 is in _____ place.		
4. The place value of 2 in 27 391 is _____.		
5. The smallest place value of any whole number is _____.		
6. <i>Seventy-three thousand, eight hundred fifty-four</i> when written in symbol is _____.		
7. The value of the underlined digit in <u>52 071</u> is _____.		
8. In <i>“twenty-eight thousand, four hundred</i> , the value of “eight” is _____.		
9. There are 3 _____ in 59 381.		
10. The place value of 4 in <u>49 106</u> is _____.		
11. The value of 2 in 13 528 is 20, its place value is _____.		
12. When written in symbol <i>“ninety-five thousand, three hundred seventy-four</i> ” is _____.		
13. The place value of 7 in 38 710 is _____.		
14. In the number 32 901, the place value of 3 is _____.		
15. 64 015 when written in words is _____.		
16. When value of a digit in a number is 50 000, its place value is _____.		
17. The place value of 3 in the numbers 12 378 ; 45 309 ; and 62 381 is _____.		

Are you done answering?

If yes, time to check. Please go to page 13 for the **Answer Key**.



What I Have Learned

1. How do you give the place value and value of a digit in numbers up to 100 000?

- ✓ *The place value of a digit is determined using the **PLACE VALUE CHART**.*
- ✓ *The value of a digit is determined by multiplying the digit by its place value.*

2. How do you read and write numbers up to hundred thousand in symbols and in words?

To read numbers up to hundred thousand:

- ✓ *Separate the digits into periods (thousands and units).*
- ✓ *From the left, read the number formed by the digits in the thousands period, followed by the name of the period (**thousand**).*
- ✓ *Do the same with the units period, without saying the name of the period.*

To write numbers up to hundred thousand in symbols we use space to separate the digits into periods or groups of three starting from the right.

- ✓ *Thousands have two periods (thousands and units) – the units period should always be composed of three digits.*
- ✓ *Use zero as a place value holder of the missing digits in the units.*

To write numbers in words, write them as they are read and use a comma to separate the thousands and units period.



What I Can Do

A. Use the digits 2, 3, 4, 5, and 6 only once for problems 1 to 2.

1. Write the highest 5-digit number.
2. Write the least number possible with 3 in the thousands place.

B. In which amount does 3 have the greater value?

3. ₱ 37 509 or ₱ 83 999
4. ₱ 53 009 or ₱ 95 318

5. There were “*forty-two thousand, three hundred twenty-one*” ampalayas harvested in Barangay San Pascual. Write the number in symbol.

6. During the typhoon, 24 172 families were rescued. Write the number in words.

Are you done answering?
If yes, time to check. Please go to page 13 for the **Answer Key**.



Assessment

A. Complete the table by giving the place value and value of the underlined digit.

Number	Place Value	Value
7 <u>2</u> 537	1.	2.
94 <u>2</u> 81	3.	4.
69 <u>8</u> 52	5.	6.

B. Read the following number words and write in symbols.

7. Thirteen thousand, four hundred seventy-nine _____
8. Fifty-three thousand, one hundred sixty _____

C. Read and write the following numbers in words.

9. 29 904 _____
10. 58 031 _____

Are you done answering?
If yes, time to check. Please go to page 13 for the **Answer Key**.



Additional Activities

A. Choose all the numbers inside the box that satisfy the given conditions.

1. 5 thousands

65 892, 98 547, 15 049, 58 923, 45 291

2. 7 ten thousands

83 710, 70 538, 72 932, 83 791, 71 382

B. Find the value of the underlined number. Write the letter of the correct answer.

3. 37 <u>6</u> 98	a. 6 000	b. 600	c. 60 000
4. <u>8</u> 3 912	a. 800	b. 8 000	c. 80 000
5. <u>7</u> 4 215	a. 4 000	b. 400	c. 40 000

C. Complete the table by writing the numbers in symbols or words.

	SYMBOLS	WORDS
6.	73 560	
7.		Eighteen thousand, four hundred six
8.	12 052	
9.		Fifty thousand, one hundred eleven
10.		Ninety - nine thousand, eight hundred seventy - six

Are you done answering?

If yes, time to check. Please go to page 13 for the **Answer Key**.

CONGRATULATIONS! You are learning very well.
See you in the next module.



Answer Key

Assessment 1		
Assessment 2		
A. 1. 1,567	A. 1. 567	Activity 1
2. 6,981	2. 6,981	Activity 2
3. 1,782	3. 1,782	Assessment 1
4. 5,916	4. 5,916	Assessment 2
5. 9,999	5. 9,999	
3,700 + 20 * 9		
4. 62,438		
5. 57,826		
6. 9,408		
7. 5		
8. 80		
9. 90,000		
10. 6		
11. 4,2		
12. 6,408		
13. 5		
14. 9		
15. 4		
16. 900		
17. 30,000		
18. 80		
19. 3,000		
20. 8		
21. 90,000		
22. 8		
23. 5		
24. 9		
25. 4		
26. 900		
27. 30,000		
28. 80		
29. 3,000		
30. 8		
31. 90,000		
32. 8		
33. 5		
34. 9		
35. 4		
36. 900		
37. 30,000		
38. 80		
39. 3,000		
40. 8		
41. 90,000		
42. 800		
43. 10,000		
44. 11,000		
45. 12,000		
46. 13,000		
47. 14,000		
48. 15,000		
49. 16,000		
50. 17,000		
51. 18,000		
52. 19,000		
53. 20,000		
54. 21,000		
55. 22,000		
56. 23,000		
57. 24,000		
58. 25,000		
59. 26,000		
60. 27,000		
61. 28,000		
62. 29,000		
63. 30,000		
64. 31,000		
65. 32,000		
66. 33,000		
67. 34,000		
68. 35,000		
69. 36,000		
70. 37,000		
71. 38,000		
72. 39,000		
73. 40,000		
74. 41,000		
75. 42,000		
76. 43,000		
77. 44,000		
78. 45,000		
79. 46,000		
80. 47,000		
81. 48,000		
82. 49,000		
83. 50,000		
84. 51,000		
85. 52,000		
86. 53,000		
87. 54,000		
88. 55,000		
89. 56,000		
90. 57,000		
91. 58,000		
92. 59,000		
93. 60,000		
94. 61,000		
95. 62,000		
96. 63,000		
97. 64,000		
98. 65,000		
99. 66,000		
100. 67,000		

Additional Activities (page 11-12)		
1. 65 892	15 049	45 291
2. 70 538	72 932	71 382
3. B	C	A
4. A	C	B
5. A	B	C
6. Sixty-three thousand, five hundred	Seventy-three thousand, five hundred	Seventy-three thousand, five hundred
7. 18 406	50 111	99 876
8. Sixty thousand, fifty-two	Twelve thousand, fifty-two	Seventy thousand, fifty-two
9. 50 111	18 406	6.
10. 99 876	50 111	18 406

Activity 2

WHAT I KNOW (pages 1-2)		
WHAT'S IN (pages 2 and 3)		
WHAT'S MORE (page 6-8)		
1. (1)	1. 567	Assessment 1
2. (2)	2. 6,981	Assessment 1
3. (3)	3. 1,782	Assessment 1
4. (4)	4. 5,916	Assessment 1
5. (5)	5. 9,999	Assessment 1
6. (6)	6. 9,408	Assessment 1
7. (7)	7. 5	Assessment 1
8. (8)	8. 80	Assessment 1
9. (9)	9. 90,000	Assessment 1
10. (10)	10. 6	Assessment 1
11. (11)	11. 4,2	Assessment 1
12. (12)	12. 6,408	Assessment 1
13. (13)	13. 5	Assessment 1
14. (14)	14. 9	Assessment 1
15. (15)	15. 4	Assessment 1
16. (16)	16. 900	Assessment 1
17. (17)	17. 30,000	Assessment 1
18. (18)	18. 80	Assessment 1
19. (19)	19. 3,000	Assessment 1
20. (20)	20. 8	Assessment 1
21. (21)	21. 90,000	Assessment 1
22. (22)	22. 8	Assessment 1
23. (23)	23. 5	Assessment 1
24. (24)	24. 9	Assessment 1
25. (25)	25. 4	Assessment 1
26. (26)	26. 900	Assessment 1
27. (27)	27. 30,000	Assessment 1
28. (28)	28. 80	Assessment 1
29. (29)	29. 3,000	Assessment 1
30. (30)	30. 8	Assessment 1
31. (31)	31. 90,000	Assessment 1
32. (32)	32. 8	Assessment 1
33. (33)	33. 5	Assessment 1
34. (34)	34. 9	Assessment 1
35. (35)	35. 4	Assessment 1
36. (36)	36. 900	Assessment 1
37. (37)	37. 30,000	Assessment 1
38. (38)	38. 80	Assessment 1
39. (39)	39. 3,000	Assessment 1
40. (40)	40. 8	Assessment 1
41. (41)	41. 90,000	Assessment 1
42. (42)	42. 8	Assessment 1
43. (43)	43. 5	Assessment 1
44. (44)	44. 9	Assessment 1
45. (45)	45. 4	Assessment 1
46. (46)	46. 900	Assessment 1
47. (47)	47. 30,000	Assessment 1
48. (48)	48. 80	Assessment 1
49. (49)	49. 3,000	Assessment 1
50. (50)	50. 8	Assessment 1
51. (51)	51. 90,000	Assessment 1
52. (52)	52. 8	Assessment 1
53. (53)	53. 5	Assessment 1
54. (54)	54. 9	Assessment 1
55. (55)	55. 4	Assessment 1
56. (56)	56. 900	Assessment 1
57. (57)	57. 30,000	Assessment 1
58. (58)	58. 80	Assessment 1
59. (59)	59. 3,000	Assessment 1
60. (60)	60. 8	Assessment 1
61. (61)	61. 90,000	Assessment 1
62. (62)	62. 8	Assessment 1
63. (63)	63. 5	Assessment 1
64. (64)	64. 9	Assessment 1
65. (65)	65. 4	Assessment 1
66. (66)	66. 900	Assessment 1
67. (67)	67. 30,000	Assessment 1
68. (68)	68. 80	Assessment 1
69. (69)	69. 3,000	Assessment 1
70. (70)	70. 8	Assessment 1
71. (71)	71. 90,000	Assessment 1
72. (72)	72. 8	Assessment 1
73. (73)	73. 5	Assessment 1
74. (74)	74. 9	Assessment 1
75. (75)	75. 4	Assessment 1
76. (76)	76. 900	Assessment 1
77. (77)	77. 30,000	Assessment 1
78. (78)	78. 80	Assessment 1
79. (79)	79. 3,000	Assessment 1
80. (80)	80. 8	Assessment 1
81. (81)	81. 90,000	Assessment 1
82. (82)	82. 8	Assessment 1
83. (83)	83. 5	Assessment 1
84. (84)	84. 9	Assessment 1
85. (85)	85. 4	Assessment 1
86. (86)	86. 900	Assessment 1
87. (87)	87. 30,000	Assessment 1
88. (88)	88. 80	Assessment 1
89. (89)	89. 3,000	Assessment 1
90. (90)	90. 8	Assessment 1
91. (91)	91. 90,000	Assessment 1
92. (92)	92. 8	Assessment 1
93. (93)	93. 5	Assessment 1
94. (94)	94. 9	Assessment 1
95. (95)	95. 4	Assessment 1
96. (96)	96. 900	Assessment 1
97. (97)	97. 30,000	Assessment 1
98. (98)	98. 80	Assessment 1
99. (99)	99. 3,000	Assessment 1
100. (100)	100. 8	Assessment 1
101. (101)	101. 90,000	Assessment 1
102. (102)	102. 8	Assessment 1
103. (103)	103. 5	Assessment 1
104. (104)	104. 9	Assessment 1
105. (105)	105. 4	Assessment 1
106. (106)	106. 900	Assessment 1
107. (107)	107. 30,000	Assessment 1
108. (108)	108. 80	Assessment 1
109. (109)	109. 3,000	Assessment 1
110. (110)	110. 8	Assessment 1
111. (111)	111. 90,000	Assessment 1
112. (112)	112. 8	Assessment 1
113. (113)	113. 5	Assessment 1
114. (114)	114. 9	Assessment 1
115. (115)	115. 4	Assessment 1
116. (116)	116. 900	Assessment 1
117. (117)	117. 30,000	Assessment 1
118. (118)	118. 80	Assessment 1
119. (119)	119. 3,000	Assessment 1
120. (120)	120. 8	Assessment 1
121. (121)	121. 90,000	Assessment 1
122. (122)	122. 8	Assessment 1
123. (123)	123. 5	Assessment 1
124. (124)	124. 9	Assessment 1
125. (125)	125. 4	Assessment 1
126. (126)	126. 900	Assessment 1
127. (127)	127. 30,000	Assessment 1
128. (128)	128. 80	Assessment 1
129. (129)	129. 3,000	Assessment 1
130. (130)	130. 8	Assessment 1
131. (131)	131. 90,000	Assessment 1
132. (132)	132. 8	Assessment 1
133. (133)	133. 5	Assessment 1
134. (134)	134. 9	Assessment 1
135. (135)	135. 4	Assessment 1
136. (136)	136. 900	Assessment 1
137. (137)	137. 30,000	Assessment 1
138. (138)	138. 80	Assessment 1
139. (139)	139. 3,000	Assessment 1
140. (140)	140. 8	Assessment 1
141. (141)	141. 90,000	Assessment 1
142. (142)	142. 8	Assessment 1
143. (143)	143. 5	Assessment 1
144. (144)	144. 9	Assessment 1
145. (145)	145. 4	Assessment 1
146. (146)	146. 900	Assessment 1
147. (147)	147. 30,000	Assessment 1
148. (148)	148. 80	Assessment 1
149. (149)	149. 3,000	Assessment 1
150. (150)	150. 8	Assessment 1
151. (151)	151. 90,000	Assessment 1
152. (152)	152. 8	Assessment 1
153. (153)	153. 5	Assessment 1
154. (154)	154. 9	Assessment 1
155. (155)	155. 4	Assessment 1
156. (156)	156. 900	Assessment 1
157. (157)	157. 30,000	Assessment 1
158. (158)	158. 80	Assessment 1
159. (159)	159. 3,000	Assessment 1
160. (160)	160. 8	Assessment 1
161. (161)	161. 90,000	Assessment 1
162. (162)	162. 8	Assessment 1
163. (163)	163. 5	Assessment 1
164. (164)	164. 9	Assessment 1
165. (165)	165. 4	Assessment 1
166. (166)	166. 900	Assessment 1
167. (167)	167. 30,000	Assessment 1
168. (168)	168. 80	Assessment 1
169. (169)	169. 3,000	Assessment 1
170. (170)	170. 8	Assessment 1
171. (171)	171. 90,000	Assessment 1
172. (172)	172. 8	Assessment 1
173. (173)	173. 5	Assessment 1
174. (174)	174. 9	Assessment 1
175. (175)	175. 4	Assessment 1
176. (176)	176. 900	Assessment 1
177. (177)	177. 30,000	Assessment 1
178. (178)	178. 80	Assessment 1
179. (179)	179. 3,000	Assessment 1
180. (180)	180. 8	Assessment 1
181. (181)	181. 90,000	Assessment 1
182. (182)	182. 8	Assessment 1
183. (183)	183. 5	Assessment 1
184. (184)	184. 9	Assessment 1
185. (185)	185. 4	Assessment 1
186. (186)	186. 900	Assessment 1
187. (187)	187. 30,000	Assessment 1
188. (18		

Score update: (What's More- Assessment 1)

- 10 WOW! GREAT JOB!
- 8-9 VERY NICE!
- 6-7 NICE!
- 4-5 OOOPPPS! Let us review and go over with the test again.
- 0-3 Don't worry. Take time to go over the lesson again. Kindly approach your teacher or facilitator if you need help.
Have fun!

Score update: (What's More- Assessment 2)

- 17 WOW! GREAT JOB!
- 13-16 VERY NICE!
- 9-12 NICE!
- 5-8 OOOPPPS! Let us review and go over with the test again.
- 0-4 Don't worry. Take time to go over the lesson again. Kindly approach your teacher or facilitator if you need help.
Have fun!

Score update: (What I Can Do)

- 6 WOW! GREAT JOB!
- 5 VERY NICE!
- 3-4 NICE!
- 0-2 OOOPPPS! Don't worry. Take time to go over the lesson again. Kindly approach your teacher or facilitator if you need help.
Have fun!