Second Grade
2018 Study Guide
First Nine-Week Math Test

Second grade students will take their math nine-week test at the end of the nine-week grading period. The standards that will be tested are included in this study guide. This guide also contains sample problems and examples of questions your child will see on the assessment.

2.OA.1 Use **addition** and **subtraction** within 100 to solve one- and two-step word problems

1. Mrs. Hurdle has 6 more cupcakes than cookies.
She has 9 cookies.
How many cupcakes does she have?

A. 3 B. 15 C. 96 D. 16

2. Lucy has 16 cars. Kim has 5 fewer cars than Lucy.
How many cars does Kim have?

A. 21 B. 12 C. 11 D. 20

3. Mark played football for 9 years.
Samuel played football for 14 more years than Mark.
How many years did Samuel play softball?

A. 5 B. 4 C. 24 D. 23

4. Zayasia has 17 books. Francie has 8 fewer books.
How many books does Francie have?

A. 9 B. 25 C. 8 D. 24

5. Sol has 55 cookies. Joe has 10 fewer cookies.
How many cookies does Joe have?

A. 65 B. 45 C. 56 D. 34

6. Joshua has 13 crayons.
Amber has 9 more crayons than Joshua.
Which equation can be used to find how many crayons they have in all?

A. 13 – 9= _____ C. 13 + 9 + 9 = _____

B. 13 + 9 = ____ D. 9 - 13 = _____

7. Sam has eight more red apples than green apples.
He has twelve green apples.
How many red apples does he have?

A. 20 B. 4 C. 28 D. 21

8. Alan had fifteen green stickers. He has 10 more red stickers than green stickers.
Which number sentence could you use to find out how many stickers Alan has?

A. 15 - 10 = _____ B. 15 + 8 = _____ C. 15 + 10 = ____ D. 15 + ___ = 10

(2.OA.1)

9. Anna has 37 cards. Phil has 54 cards. Which equation shows how many cards they have altogether?

A. 37 + ____ = 54 C. 54 – 37 = ____

B. 37 + 54 = _____ D. 54 + _____ = 37

2. OA.3 Determine whether a group of objects within 20 has an **odd or even** number of members, by pairing objects or counting them by 2's

10. What is **TRUE** about the number 43?

A. It is an odd number.

C. It is an even number.

B. It is both odd and even.

D. It is not odd or even.

11. Which number is an **even** number?

A. 38 B. 79 C. 25 D. 47

12. Which number is an **odd** number?

A. 24 B. 55 C. 70 D. 82

13. What is **TRUE** about the number 27?

A. It is an odd number.

C. It is an even number.

B. It is both odd and even.

D. It is not odd or even.

14. Which equation will have an **even** sum?

A. 9 + 8 = _____

C. 8 + 7 = _____

B. 9 + 4 = _____

D. 6 + 8 = _____

15. Which box shows an **even** number of x's?

A.	X X X
B.	X X X X X X X
C.	X X X X
D.	X X X X X X X X X X

A B C D

2.NBT.2- Count within 1,000; skip-count by 5s, 10s, and 100s.

16. Ms. Marcy was counting by 5's.

55, 60, 65, 70, _____

What number did he say next?

A. 80 B. 71 C. 75 D. 95

17. Which shows counting by tens?

A. 5, 10, 15, 20, 25,…

B. 10, 20, 30, 31, 32, …

C. 10, 20, 30, 40, 50, ….

D. 10, 100, 200, 300, …

18. Look at the numbers in the list. Which number will come next?

20, 25, 30, 35, ◯

A. 36 B. 45 C. 40 D. 48

19. Skip count by 10's.

30, 40 _____, 60, 70

A. 41 B. 60 C. 45 D. 50

20. Which number goes in the box:

60		80	90	100

A. 61 B. 50 C. 70 D. 65

2.NBT.5- Demonstrate fluency with addition and subtraction, within 100, by:

- Flexibly using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.
- Comparing addition and subtraction strategies, and explaining why they work.
- Selecting an appropriate strategy in order to efficiently compute sums and differences.

21. What is the sum of these two numbers?

4 3 + 7 = _____

A. 50 B. 57 C. 36 D. 437

22. Find the difference:

$$\begin{array}{r} 72 \\ -\,38 \\ \hline \end{array}$$

A. 16 B. 43 C. 34 D. 4 7

23. Solve: 38 + 9 = ?

A. 48 B. 47 C. 29 D. 31

24. Find the sum of thee two numbers:

$$\begin{array}{r} 29 \\ +\,46 \\ \hline \end{array}$$

A. 65 B. 23 C. 80 D. 75

2. NBT.6 Add up to three two-digit numbers using strategies based on place value and properties of operations.

25. Add the following numbers:

35 + 66 + 41 = _____

A. 130 B. 142 C. 140 D. 129

26. Joe had 54 fish. Mike had 31 fish and Sam had 35 fish.
How many fish do they have in all?

A. 120 B. 85 C. 69 D. 100

(2.NBT.6)

27. The table below shows the number of tickets needed for prizes at the AR Store

Tickets Needed for Prizes

Prize	Number of Tickets
Baseball	67
Bracelet	25
Stuffed Animal	19

Sam earned enough tickets to get 1 baseball, 1 bracelet, and 1 stuffed animal.
How many total tickets did Sam earn?

A. 110 B. 111 C. 3 D. 90

28.
$$\begin{array}{r} 12 \\ 56 \\ +\ 48 \\ \hline \end{array}$$

A. 110 B. 111 C. 116 D. 81

2. NBT.8-Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.

29. What is ten more than 80?

A. 88 B. 70 C. 90 D. 82

30. What number is ten more than thirty-four?

A. 24 B. 40 C. 44 D. 33

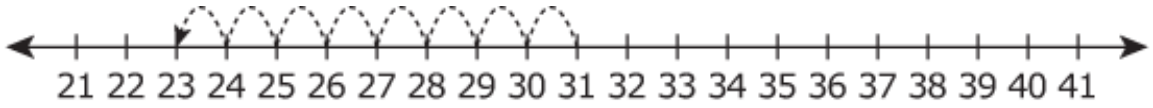
31. Solve each problem.

24 + 10 = _____

93 – 10 =_____

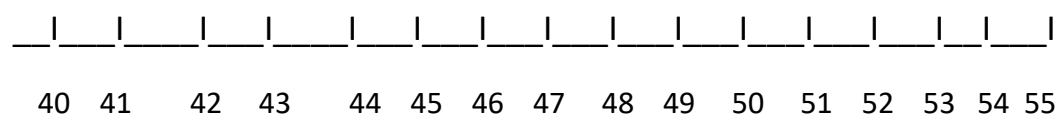
MD.6-Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points and represent whole-number sums and differences, within 100, on a number line.

32. Which number sentence is shown on the number line?



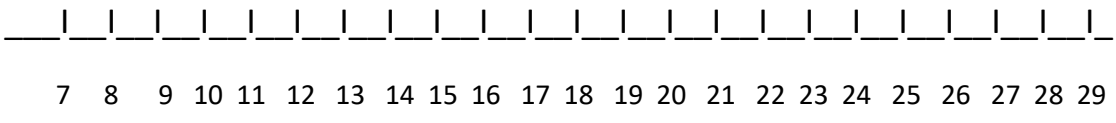
A. 23- 8 = 15 B. 31- 23 = 8 C. 31 – 8 = 23 D. 23 + 31 = 54

33. Use the number line to solve: 45 + 7 = _____



A. 38 B. 52 C. 50 D. 54

35. Use the number line to solve 7 + 12 = _____



A. 20 B 19 C. 5 D. 4

Answers:

1. B	2. C	3. D	4. A	5. B
6. B	7. A	8. C	9. B	10. A
11. A	12. B	13. A	14. D	15. C
16. C	17. C	18. C	19. D	20. C
21. A	22. C	23. B	24. D	25. B
26. A	27. B	28. C	29. C	30. C
31. 34 83	32. C	33. B	34. B	