

**Second Grade- Second Nine-Week**

**Math Study Guide 2021**

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|--|--|--|---|--|
| <b>a.m.</b><br>before noon;<br>the time between 12<br>midnight and 12 noon                                     | <b>digital clock</b><br>a clock that shows time in<br>numbers                                    | <b>hour</b><br>a unit of time equal to 60<br>minutes   | <b>value</b><br>The amount or value of a<br>number 378- The value of the<br>3 is 300, 7 is 70 and the value<br>of the 8 is 8 ones | <b>p.m.</b><br>afternoon; the time<br>between 12 noon and 12<br>midnight                         |
| <b>analog clock</b><br>a clock with a minute hand<br>and an hour hand  | <b>word form of a number</b><br>Writing a number in word<br>form (ex: sixty)                     | <b>expanded form</b><br>Writing a number using<br>the value of each digit.<br>$245 = 200 + 40 + 5$ | <b>minute</b><br>A unit of time equal to 60<br>seconds  | <b>greater than &gt;</b><br>a symbol that shows a<br>relationship between<br>numbers; more than  |
| <b>equation</b><br>A number sentence that<br>uses the equal sign to show<br>that two amounts are equal         | <b>digit</b><br>The symbols<br>0,1,2,3,4,5,6,7,8,9, used to<br>write numbers                     | <b>compare</b><br>To determine how<br>numbers, objects, or<br>shapes are alike or<br>different     | <b>hundreds</b><br>A group or bundle of ten tens;<br>in place value, the place to the<br>left of the tens place                   | <b>expression</b><br><b>array</b><br>Items arranged in rows<br>and columns                       |
| <b>Inverse</b> (opposite)<br>The inverse of addition is<br>subtraction.  | <b>decompose</b><br>Breaking numbers into tens<br>and ones; breaking wholes<br>into parts        | <b>compose</b><br>joining parts to make a<br>whole; joining numbers to<br>create tens              | <b>equal (s) =</b><br>Being exactly the same in<br>amount or value  | <b>less than &lt;</b><br>A symbol that shows the<br>relationship between<br>numbers, not as many |
| <b>tens</b><br>A group or bundle of ten<br>ones; in place value, the<br>place to the left of the ones<br>place | <b>ones</b><br>The number of single<br>objects less than ten; in<br>place value, the units place | <b>sum</b><br>The name of the answer<br>in an addition equation                                    | <b>difference</b><br>The name of the answer in a<br>subtraction equation  |  |

- Hal has seventy-five crayons.  
He used thirty-six crayons.  
Which number sentence can be used to solve the problem?  
  
A.  $75 + 63 = \underline{\quad}$     B.  $75 - 36 = \underline{\quad}$     C.  $36 - \underline{\quad} = 75$     D.  $\underline{\quad} - 36 = 75$

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- There are 73 green crayons in the box.  
There are 68 blue crayons in the box.  
How many crayons are there in all?    A. 5    B. 143    C. 141    D. 13

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- There are 67 marbles in a bag.  
42 of the marbles are green.  
The rest of the marbles are orange.  
How many orange marbles are in the bag?    A. 50    B. 109    C. 25    D. 100

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- Wendy had 19 pencils. If she used thirteen of them,  
How many would she have left?    A. 32    B. 5    C. 25    D. 6

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- Forty-three birds in the cage. Twenty-six birds are green.  
The rest of the birds are blue. How many birds are blue?  
Which number sentence can be used to solve the problem?  
A.  $43 + 26 = \underline{\quad}$     B.  $43 - 26 = \underline{\quad}$     C.  $26 - \underline{\quad} = 43$     D.  $\underline{\quad} + 43 = 26$

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- Eighty -three crayons in the box. Sixty-seven of the crayons are black. The rest of the crayons are brown.  
How many crayons are brown? Which number sentence can you use to solve the problem?  
A.  $83 - 67 = \underline{\quad}$     B.  $83 + \underline{\quad} = 67$     C.  $67 + 83 = \underline{\quad}$     D.  $\underline{\quad} + 83 = 67$

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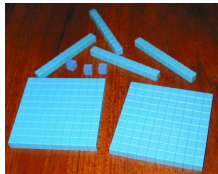
- What is true about the number 874?  
A. It is an odd number.    C. It is not odd or even.  
B. It is an even number.    D. It is both odd and even.

8. What is the place of the underlined digit? 164  
A. ones      B. tens      C. hundreds      D. thousands

9. Solve:  
43 tens + 2 ones = \_\_\_\_\_

A. 46      B. 432      C. 423      D. 63

10. Look at the number of cubes.



What number does the hundreds, tens, and ones represent?

A. 1, 243      B. 240      C. 323      D. 243

11. How many tens are in the number 583?

583 = \_\_\_\_\_ tens + 3 ones

A. 583      B. 500      C. 58      D. 80

12. How is the number 473 written in words?

A. forty seven three      C. four hundred seventy-three  
B. four hundred thirty-seven      D. forty-seven and three

13. What is 450 written in expanded form?

A. 4,000 + 500      B. 400 + 500      C. 400 + 50      D. 40 + 50

14. Which statement is true?

A. 150 is greater than 165      C. 165 is less than 150  
B. 150 is equal to 165      D. 150 is less than 165

Compare using  $, <, >, =$

15. 249  two hundred nine

16.  $2 + 60 + 800$   682

17. 348  three hundred forty- eight

18. Which statement is true?

A. 632 is greater than 875.      C. 632 is equal to 875.  
B. 632 is less than 875.      D. 875 is less than 632

19. Add to find the sum  $36 + 24 + 28 =$  \_\_\_\_\_      A. 99      B. 818      C. 88      D. 98

20. There are 24 red crayons, 53 blue crayons, and 12 orange crayons in a bag.

How many crayons are in the bag?

A. 189      B. 89      C. 818      D. 98

21. Mary has the following number of butterflies in her collection.

| Butterflies       | Number of Each Butterfly Seen |
|-------------------|-------------------------------|
| Blue Butterflies  | 42                            |
| Red Butterflies   | 26                            |
| Green Butterflies | 21                            |

How many butterflies does Mary have in her collection?

- A. 88      B. 89      C. 912      D. 92

22. 
$$\begin{array}{r} 62 \\ - 38 \\ \hline \end{array}$$

23. 
$$\begin{array}{r} 76 \\ + 28 \\ \hline \end{array}$$

24. Write the number that comes before and after each number in bold print.

\_\_\_\_\_ **299** \_\_\_\_\_  
number before      number after

25. What number is ten **more** than 112? \_\_\_\_\_

26. What is 10 **less** than 198? \_\_\_\_\_

27. What is one hundred less than 538? A. 638    B. 438    C. 548    D. 528

28. What is one hundred more than 420? A. 320    B. 450    C. 520    D. 400

29. What is the last number in this pattern? 834, 824, 814, \_\_\_\_\_

30. Count by 10, what numbers go in the blanks?

320, \_\_\_\_\_, 340, \_\_\_\_\_, 360

- A. 330 and 370      B. 330 and 350      C. 325 and 345      D. 303 and 305

31. Sam had 625 apples. Marc has ten less apples. How many apples does Marc have?

- A. He has 725 apples.      C. He has 525 apples.  
B. He has 615 apples.      D. He has 635 apples.

32. Fran has forty more cookies than Sue. Sue has 87 cookies. How many cookies does Fran have?

- A. 347      B. 427      C. 127      D. 287

33. What time is shown on the clock below?



\_\_\_\_\_ : \_\_\_\_\_

34. John is eating dinner. What time would it most likely be?

- A. 2:00 am      B. 6:00 am      C. 6:00 pm      D. 8:00 am

35. What time is shown on the clock?



- A. 9:40      B. 8:40      C. 9:08      D. 8:90

36. Look at the clock.



What is another way to write the time?

- A. Three forty    B. eight twenty    C. half past eight    D. a quarter after eight

37. Which analog clock has the same time as the digital clock? 2:45



A



B



C



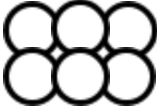
D

38. What is another way to read the time on the clock?

8:30

- A. half past 8    B. a quarter till 8    C. a quarter after 8    D. eight o'clock

39. Which repeated addition sentence tells how to count the number of cookies?



- A.  $3 + 3 + 3 = 9$     B.  $2 + 2 = 4$     C.  $3 + 3 = 6$     D.  $4 + 4 + 4 = 25$

40. Which picture represents the number sentence  $2 + 2 = 4$ ?



**Answers**

|         |        |          |              |         |
|---------|--------|----------|--------------|---------|
| 1. B    | 2. C   | 3. C     | 4. D         | 5. B    |
| 6. A    | 7. B   | 8. A     | 9. B         | 10. D   |
| 11. C   | 12. C  | 13. C    | 14. D        | 15. >   |
| 16 >    | 17. =  | 18. B    | 19. C        | 20. B   |
| 21. B   | 22. 24 | 23. 104  | 24. 298, 300 | 25. 122 |
| 26. 188 | 27. B  | 28. C    | 29. 804      | 30. B   |
| 31. B   | 32. C  | 33. 4:30 | 34. C        | 35. B   |
| 36. D   | 37. A  | 38. A    | 39. C        | 40. B   |

