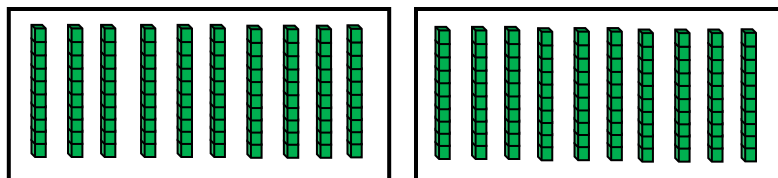


Second Grade Test: Number & Operations in Base Ten

Name _____ Teacher _____ Date _____

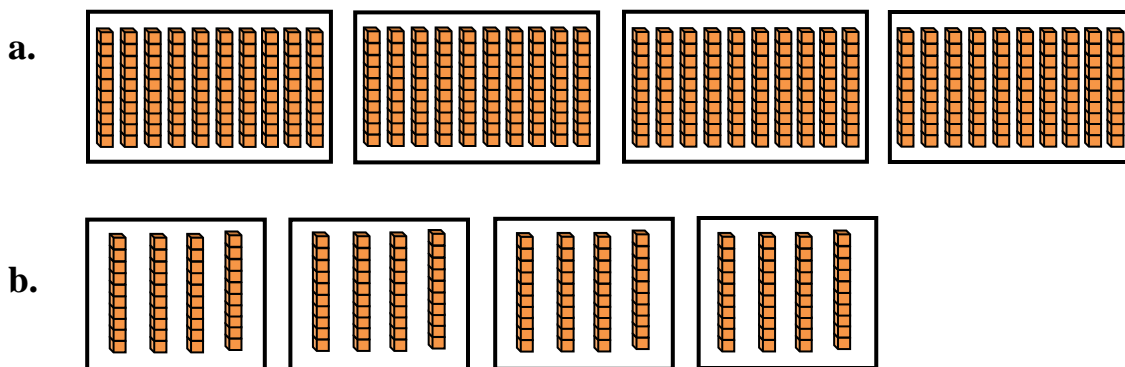
2.NBT.1a 100 can be thought of as a bundle of ten tens — called a “hundred.”

1. What is the value of the base ten materials?



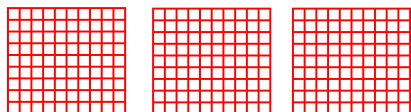
- a. 100 b. 200 c. 300

2. Which set of tens represents 400?



2.NBT.1b The numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two three, four, five, six, seven, eight, or nine hundreds (and 0 tens and 0 ones).

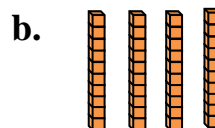
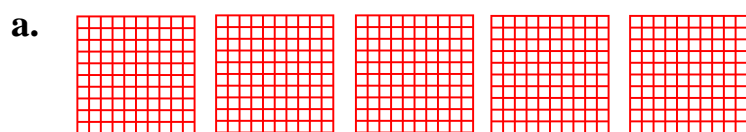
3. What is the value of the base ten materials?



=

- a. 100 b. 200 c. 300

4. Which set of base ten materials represents 500?



2.NBT.A.2 Count within 1000; skip-count by 5s, 10s, and 100s.

5. Which set of numbers shows skip counting by 5s?

- a. 5, 10, 15, 20, 30, 40, 50 b. 5, 10, 15, 20, 25, 30, 35

6. Which set of numbers completes skip counting by 10s?

10, 20, 30, ____, ____, 60, 70

- a. 40, 50 b. 35, 45

7. Which of the following is an example of skip counting by 100s?

- a. 1, 100, 200, 300, 400, 500 b. 100, 200, 300, 400, 500

2.NBT.A.3 Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.

8. 947 is an example of which of the following?

- a. base-ten numeral b. number name c. expanded form

9. Which is an example of 461 in expanded form?

- a. $40 + 60 + 1$ b. $400 + 6 + 1$ c. $400 + 60 + 1$

10. Which is an example of 538 written in number name form?

- a. 500 and 30 and 8 b. five hundred and thirty-eight
c. five hundred thirty-eight

2.NBT.A.4 Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using $>$, $=$, and $<$ symbols to record the results of comparisons.

Compare the following using $>$, $=$, and $<$ symbols.

11. 238 248 a. $>$ b. $=$ c. $<$

12. 810 710 a. $>$ b. $=$ c. $<$

13. 575 575 a. $>$ b. $=$ c. $<$

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2.NBT.B.5 Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.

Add.

14. $47 + 29 =$

a. $40 + 20 + 16 = 76$

b. $47 + 29 = 66$

15. $28 + 44 + 13 =$

a. $(28 + 44) + 13 = 85$

b. $28 + (44 + 13) = 75$

16. $23 + 84 + 17 =$

a. $20 + 3 + 1 + 7 = 31$

b. $(23 + 17) + (84 + 26) = 150$

Subtract.

17. $99 - 45 =$

a. $(99 - 40) - 5 = 45$

b. $(99 - 40) - 5 = 54$

18. $72 - 25 =$

a. $72 - 20 = 52 - 5 = 47$

b. $72 - 25 = 57$

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

Add.

19. $12 + 37 + 16 + 28 =$

a. $(12 + 37) + (16 + 28) = 49 + 44 = 93$

b. $10 + 30 + 10 + 20 = 70 + 2 + 7 + 6 + 8 = 83$

20. $45 + 12 + 35 =$

a. $(45 + 12) = 57 + 35 = 92$

b. $(45 + 35) = 80 + 12 = 92$

2.NBT.B.7 Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.

Add.

21. $492 + 399 = x$

a. $(400 + 300) = 700 + (90 + 90) = 880 + (2 + 9) = 892$

b. $(490 + 390) = 880 + (2 + 9) = 891$

22. $568 + 294 =$

a. $(560 + 290) = 850 + (8 + 4) = 952$

b. $(500 + 200) + (60 + 90) + (8 + 4) =$
 $700 + 150 + 12 = 862$

Subtract.

23. $998 - 662 =$

a. 336

b. 335

24. $887 - 158 =$

a. $(887 - 150) = (737 - 8) = 729$

b. $(887 - 158) = 722$

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

Add.

25. $645 + 210 =$

a. 855

b. 850

c. 755

26. $200 + 400 =$

a. 60

b. 600

c. 606

Subtract.

27. $720 - 320 =$

a. 400

b. 420

c. 402

28. $538 - 230 =$

a. 308

b. 300

c. 330

**Answer Key for Second Grade Test
Number & Operations in Base Ten**

Standard	Answer
2.NBT.1(a)	1. b
	2. a
2.NBT.1(b)	3. c
	4. a
2.NBT.2	5. b
	6. a
	7. b
2.NBT.3	8. a
	9. c
	10. c
2.NBT.4	11. c
	12. a
	13. b
2.NBT.5	14. a
	15. a
	16. b
	17. b
	18. a
2.NBT.6	19. a
	20. b
2.NBT.7	21. b
	22. b
	23. a
	24. a
2.NBT.8	25. a
	26. b
	27. a
	28. a

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