Second Grade Math
Third Nine-Week Study Guide

(2.OA.1) Represent and solve addition and subtraction word problems, within 100, with unknowns in all positions, by using representations and equations with a symbol for the unknown number to represent the problem, when solving:

1. At the beginning of the day 82 students were at school.
Some of the students were picked up early.
When they counted the students at the end of the day there were 48 students.

How many students were picked up early.
A. 44 B. 34 C. 130 D. 120

2. Max went fishing. He caught a total of four hundred sixty-eight fish.
Two hundred fifty-one fish were yellow.
The rest of the fish were gold.
How many gold fish did Max catch?

A. 217 B. 719 C. 150 D. 316

3. Josh has 238 red cars. Sam has 317 blue cars.
How many cars do Josh and Sam have total?

A. 79 B. 555 C. 121 D. 5,415

4. Chamaya has a collection of bugs. She has 90 bugs in her collection.
She gave Antonio some of her bugs. She had 46 bugs left in her collection.
How many bugs did Chamaya give Antonio?

A. 136 B. 56 C. 44 D. 54

5. The teacher measured 25 feet of fabric for a quilt this morning.
Then she measured some more fabric this afternoon. Now she has 76 feet of fabric.
How many feet of fabric did Shawna measure in the afternoon?

A. 51 B. 21 C. 50 D. 91

6. Shawna played two games. She scored forty-nine points in the first game.
She scored some more points in the second game.
She scored eighty-six points at the end of both games.
How many points did Shawna score in the second game?

A. 135 B. 43 C. 37 D. 150

7. The second grade classes raised $93.
The third grade classes raised some more money.
Now they have a total of $158.
How much more money did the third grade classes raise?

A. $ 251 B. $ 65 C. $ 145 D. $165

8. Look at the chart of the number of books each student read in class.

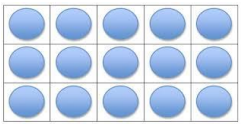
Student	Number of Books
Jenny	271
Sally	315
Jimmy	431
Sandy	127

How many more books did Jenny read than Sandy?

A. 144 B. 44 C. 398 D. 586

NC.2.OA.4 Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.

9. Which number sentence best shows the array



A. 5 + 5 + 5 + 5 = 20 B. 3 + 3 = 6 C. 3 + 3 + 3 + 3 = 12 D. 5 + 5 + 5= 15

NBT.3 Read and write numbers, within 1,000, using base-ten numerals, number names, and expanded form.
NC.2.NBT.4 Compare two three-digit numbers based on the value of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons.
NBT.6 Add up to three two digit numbers using strategies based on place value and properties of operations
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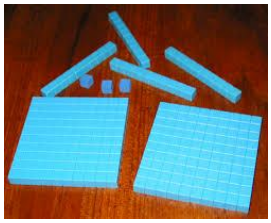
NC.2.NBT.8 Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.

10. Look at the number cubes.



What number is represented by the hundreds, tens and ones?

A. 342 B. 243 C. 432 D. 1,243

11. Compare using one of the symbols.

4 + 30 + 200 ◯ 432

A. < B. > C. = D. +

12. What is 278 written in expanded form?

A. 20 + 70 + 8 B. 8 + 70 + 200 C. 200 + 7 + 8 D. 2 + 7 + 8

13. Carlita has 26 yellow fish, 47 green fish and 39 blue fish. How many fish does Carlita have in all?

A. 86 B. 112 C. 73 D. 123

14. Felicia has a collection of insects. She has 438 insects. She gave Genie some of her insects. Felicia then had 189 insects left in her collection. How many insects did Felicia give Genie?

Which equation shows how many insects Felicia gave to Genie?

A. 438 + ▭ = 189

B. 438 - ▭ = 189

C. 189 - ▭ = 438

D. 189 + 438 ▭ =

15. What subtraction sentence can help you solve this problem?

76 + _____ = 98

A. 98 + 76 = _____ B. 76 – 98 = _____ C. 98 - _____ = 76 D. 98 + _____ = 76

16. There were 318 students at the circus.
198 of the students left early.
How many students were still at the circus?

Which equation can be used to help solve the problem?

A. 318- _____ = 198 B. 318 + 198 = _____ C. 198 - _____ = 318 D. 318 + _____ = 198

17. Sam had 346 Pokemon cards
Flint has one hundred less Pokemon cards.
How many Pokemon cards does Flint have?

A. 446 B. 336 C. 246 D. 356

18. Larry has 724 computers. Mary had ten more computers.
How many computers does Mary have?

A. 824 B. 924 C. 714 D. 734

Solve

19 $\begin{array}{r} 278 \\ +463 \\ \hline \end{array}$

A. 741 B. 631

C. 215 D. 751

20. $\begin{array}{r} 532 \\ -\ 278 \\ \hline \end{array}$

A. 346 B. 254

C. 810 D. 204

MD. 7 1-Tell and write time from an analog clock to the nearest five minutes, using a.m. and p.m.

21. Shae will board the plane at the time shown on the clock below.

What time will Shae board the plane?

A. 3:45 B. 3:09 C. 9:15 D. 9:03

22. What time is shown on the clock?

A. a quarter past six B. six o'clock

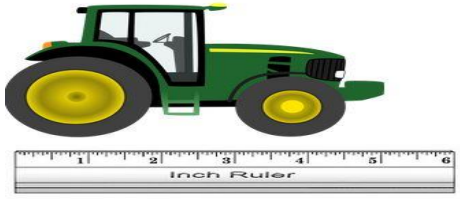
C. half past six D. a quarter till six

23. Michelle jumped 35 inches.
Zoe jumped 68 inches. How much further did Zoe jump than Michelle?
Which equation will help you solve the problem?

A. 35 + 68 = _____ B. 35 – 68 = _____ C. 68 – 35 = _____ D. 35 + 68 = _____

NC.2.MD.1 Measure the length of an object in standard units by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.
NC.2.MD.2 Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen.
NC.2.MD.3 Estimate lengths in using standard units of inches, feet, yards, centimeters, and meters.
NC.2.MD.4 Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard length unit.
NC.2.MD.5 Use addition and subtraction, within 100, to solve word problems involving lengths that are given in the same units, using equations with a symbol for the unknown number to represent the problem.

Several questions will be asked about measuring objects.



24. What is true about the tractor?

A. It is longer than 6 inches B. It is shorter than 2 inches.

C. It is 5 inches long. D. It is 8 inches long.

25. Look at the tractor. About how long is the tractor?

A. 5 feet B. 4 inches C. 5 inches D. 6 inches

26. What is true about the measurement of the line?

A. It is less than 1 cm. B. It is greater than 2 cm.
C. It is exactly 4 cm. D. It is less than 2 cm.

27. Joe measured his toy truck. It was 1 foot long. What is true about his toy truck?

A. His truck is 36 inches long. B. His truck is 12 inches long.

C. His truck is longer than 2 feet long. D. His truck weighs 1 pound.

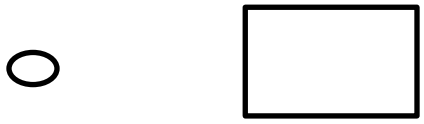
28. What is the best tool to measure the distance around a tree?

A. yardstick B. measuring tape C. meter stick D. ruler

29. What is the best tool to measure the length of a crayon?

A. ruler B. yardstick C. meter stick D. tape measure

30. If the square is 18 inches tall, about how tall is the circle.



A. 18 feet B. 6 inches C. 10 meters D. 81 inches

31. Kim's toy is 18 centimeters long. Sarah's toy is 6 centimeters shorter than Kim's toy. Mary's toy is 5 centimeters longer than Kim's toy. Which toy is longer than 18 centimeters?

A. Kim's toy B. Sarah's toy C. Mary's toy D. Kelsey's toy

32. What is the most reasonable estimate for the length of a key?

A. 2 yards B. 3 inches C. 3 feet D. 13 inches

33. Eric has a tool that is 38 inches long. What his true about the tool?

A. The tool is longer than 4 feet. B. The tool is 3 feet long.
C. The tool is less than 6 inches long. D. The tool is greater than 3 feet long.

34. Benny measured his brother Bob.
Bob was 48inches tall.
Which statement is true?

A. Bob is 3 feet tall B. Bob is 4 feet tall.
C. Bob is shorter than 3 feet tall. D. Bob weighs 48 pounds.

35. About how tall is the height of a door?

A. 1 inch B. 10 inches C. 5 yards D. 7 feet

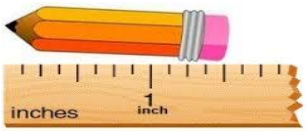
Use the information shown below to answer the question that follows.

_____ 3 inches Line A
_____ 9 inches Line B

36. How much longer is line B than line A

A. 12 inches B. 6 inches C. 12 feet D. 6 feet

37. What is the best measurement of this pencil?

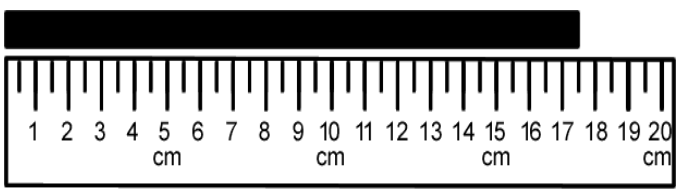


A. 2 inches B. 1 inch C. 1 ½ inches D. 3 ½ inches

Look at the two pencils.

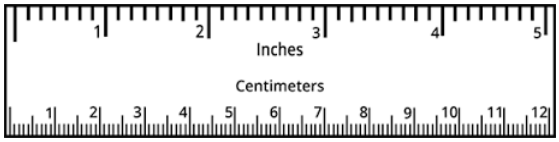
38. What statement is true about the two pencils?
A. Pencil A is longer than pencil B. B. Pencil B is longer than pencil A.
C. Pencil A is the same length as pencil B. D. Pencil A is shorter than pencil B.

39. Approximately what the length of the bar in centimeters?



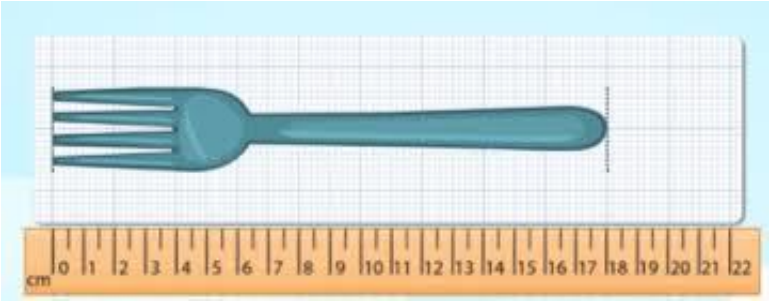
A. 2 cm B. 16 ½ cm C. 20 cm D. 17 ½ cm

40. Find the length of the bar in inches.



A. 2 inches B. 4 inches C. 5 inches D. 1 inch

41. What is the measurement of the fork?



A. 2 cm B. 16 cm C. 17 ½ cm D. 22 cm

Answers:

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