

Assessment For The California Mathematics Standards Grade 2

Introduction: Summary of Goals

GRADE TWO

By the end of grade two, students understand place value and number relationships in addition and subtraction and they use simple concepts of multiplication. They measure quantities with appropriate units. They classify shapes and see relationships among them by paying attention to their geometric attributes. They collect and analyze data and verify the answers.

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Number Sense

NS 1.1

a. Circle the number: three hundred four

340

34

3004

304

b. Circle the number: two hundred eleven

121

221

211

212

c. Circle the number: five hundred fourteen

540

514

541

515

d. Write these numbers:

1. **nine hundred two**

2. **six hundred twelve**

3. **three hundred thirty**

4. **seven hundred eighty-four**

NS 1.2

Write the expanded notation for these numbers:

a. **564** = _____ + _____ + _____

b. **720** = _____ + _____ + _____

c. **902** = _____ + _____ + _____

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NS 1.3

Fill in the missing symbol $>$ or $<$ or $=$

a. 207 ___ 92

d. 265 ___ 843

b. 139 ___ 257

e. 412 ___ 261

c. 347 ___ $300 + 40 + 7$

NS 2.1

a. Make two addition and two subtraction number sentences with these numbers:

4 6 10 _____ + _____ = _____

_____ + _____ = _____

_____ - _____ = _____

_____ - _____ = _____

b. Here is how James worked a subtraction problem. Use addition to check to see if he worked the problem correctly. You will need to write the addition problem.

$$\begin{array}{r} 26 \\ - 12 \\ \hline 15 \end{array}$$

+ _____

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NS 2.2

a. 34 b. 343 c. 457 d. 607
+ 23 + 265 + 324 + 299

e. 34 f. 748 g. 543 h. 807
- 23 - 426 - 178 - 695

NS 2.3

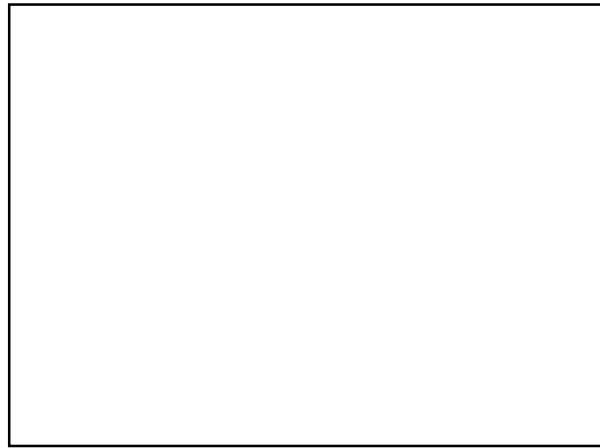
Solve these problems in your head and write the answers.

a. $50 + 30 =$ _____ d. $50 + 40 =$ _____
b. $80 - 20 =$ _____ e. $60 + 5 =$ _____
c. $32 + 4 =$ _____ f. $70 - 1 =$ _____

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NS 3.1

- a. 1. Draw a picture of a classroom that has 5 desks across the front of the room and 4 desks in each row.



front

2. How many chairs are in the classroom? _____

- b. Figure out and write the numbers you say when you count by 4s.

4 8 _____

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NS 3.2

Molly had 20 pieces of candy. She gave two pieces to her sister.

a. How many did she have left? _____

b. If she gave away 2 pieces each to 4 more people, how many pieces would she have left? _____

NS 3.3

Write the answers:

a. **5 x 3 = _____** b. **2 x 7 = _____** c. **5 x 8 = _____**

d. **10 x 6 = _____** e. **2 x 8 = _____** f. **10 x 4 = _____**

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NS 4.1

Fill in the sign \gt or \lt

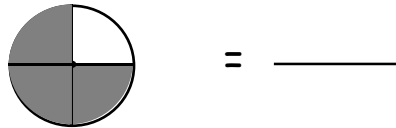
a. $\frac{1}{4}$ $\frac{1}{8}$

b. $\frac{1}{9}$ $\frac{1}{7}$

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NS 4.2

a. Write the fraction for the shaded area of this picture:



b. How many faces out of the group are smiling? Write a fraction to show this.



NS 4.3

a. Fill in missing numeral

$$1 = \frac{\quad}{4} \qquad \frac{5}{\quad} = 1$$

b. If a pizza is divided into thirds, how many pieces make one whole pizza? _____

NS 5.1

Lee has a bag of nickels and dimes.

What is a way that Lee could pay the exact amount for a box of pencils that costs 35 cents?

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NS 5.2

a. Using a dollar sign (\$) and a decimal point:

1. Write 2 dollars and 57 cents: _____

2. Write 9 dollars and 9 cents: _____

3. Write 32 cents: _____

b. Write \$.32 a different way: _____

NS 6.1

About how long is a pencil? Circle the best answer.

5 feet

5 inches

5 yards

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Algebra and Functions

AF 1.1

What is the easiest way to find $27 + 69 + 1$? _____

- A) Add 27 and 1 first, then add 69 to the sum.
- B) Add 69 and 1 first, then add 27 to the sum.
- C) Add 69 and 27 first, then add 1 to the sum.
- D) I don't know

AF 1.2

a. Three classes at your school will see a play together.

Room A has **18** students.

Room B has **34** students.

Room C has **19** students.

Room D has **29** students.

Write the number sentence you would use to find the total number of chairs needed if rooms A, B, and C go to the play.

b. Jan is 12 years old. Her sister is 5 years younger than Jan. How old is Jan's sister? Write a number sentence that will give the answer to the problem.

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AF 1.3

This table shows how some children get to school.

	Take Bus	Walk to School
Boys	35	22
Girls	14	17

- a. How many children walk to school? _____
- b. How many more boys walk to school than girls? _____
- c. Are there more boys or girls on the bus? _____

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Measurement and Geometry

MG 1.1

Below is a picture of a house and a stick. About how many sticks wide is the picture? _____

- A. 3 sticks B. 4 sticks C. 6 sticks D. 9 sticks



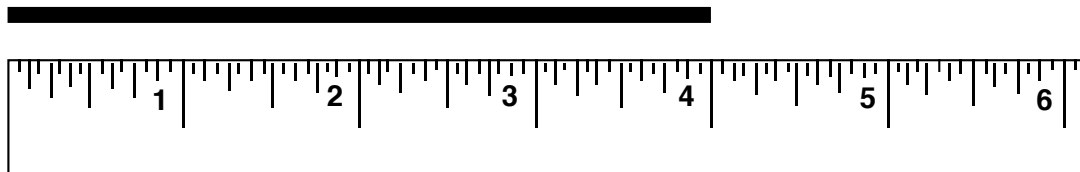
MG 1.2

Measure the length of your desk with a new crayon and with a new pencil. Which is greater, the number of crayon units or the number of pencil units?

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MG 1.3

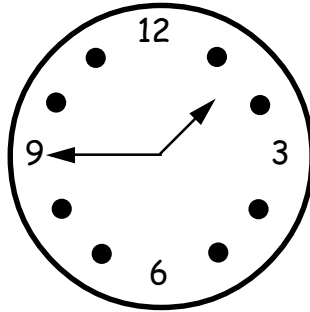
About how many inches long is the line?



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MG 1.4

a. What time is it on this clock? _____



b. 1. How many minutes in one hour? _____

2. How many days in one week? _____

c. Circle the greater amount of time

a. **3 weeks** or **19 days**

b. **27 days** or **4 weeks**

c. **85 seconds** or **1 minute**

d. **1 day** or **20 hours**

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MG 1.5

Anna started work at 10:00 a.m. It took her 3 hours to do her work. What time did Anna finish her work?

MG 2.1

a. How many sides does a triangle have?

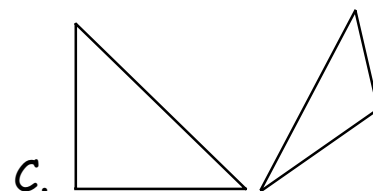
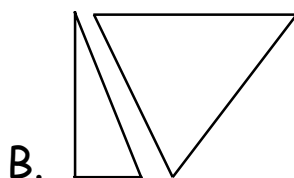
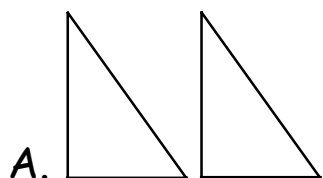
b. How many vertices does a rectangle have?

c. How many faces on a cube? _____

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Measurement and Geometry

MG 2.2



Which two triangles can be put together to form a rectangle? _____

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Statistics, Data Analysis, and Probability

S 1.1

Here is a table to record the number of students whose favorite sport is one of the five below:

Favorite Sport	Running	Basketball	Swimming	Soccer	Baseball
Number of Students					

Ten students gave answers. Juan, Bob, and Judy like running the most. Mu-lan and Carlos like swimming the most. Angel and Tom like soccer the most. Julia likes baseball the most. Bobby and Jack like basketball the most. What number should be written below "Swimming"?

- A. 0
- B. 1
- C. 2
- D. 3
- E. I don't know

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S 1.2

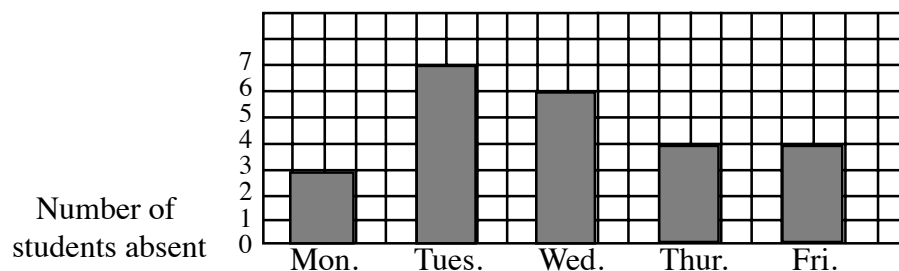
This tally shows how many students were absent this week.

Students Absent this Week

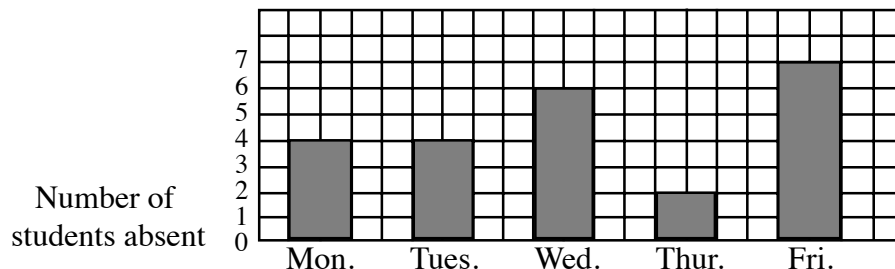
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

Which bar graph shows the same data? _____

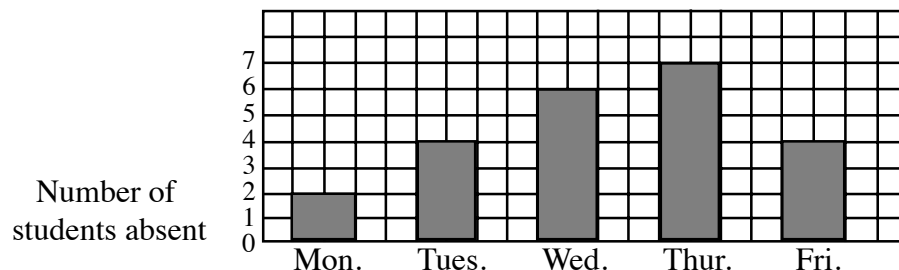
A.



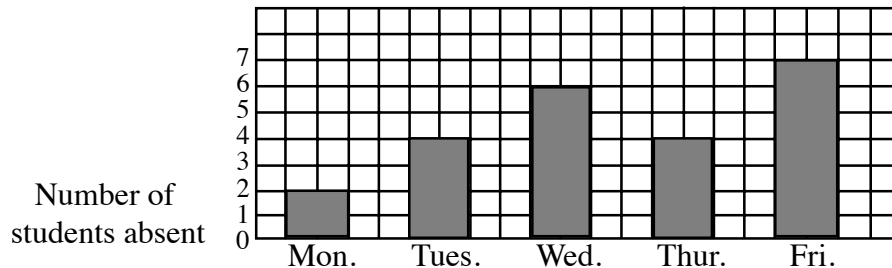
B.



C.



D.



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S 1.3

- a. Miguel had a party. Eight children were at the party. If each one got two balloons, how many balloons did the children have altogether?

- b. What will the missing numbers be if the numbers increase by the same amount?

1, 4, __, 10, __, 16

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S 1.3

c. Here are the scores that children received on a test.

90 - Jerry, Sam, Alicia, Ramon, Teresa

80 - Alexander, Charlene, Susan, Thomas, Sandra, Teresa

65 - Arthur, Betsy

50 - David

1. What score did the most children earn? _____
2. What was the highest score? _____
3. What was the lowest score? _____