

# 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.

# Assessment For The California Mathematics Standards Grade 2

## 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** = \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_

# Assessment For The California Mathematics Standards Grade 2

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.

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

+ \_\_\_\_\_

# Assessment For The California Mathematics Standards Grade 2

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.  $50 + 40 =$  \_\_\_\_\_

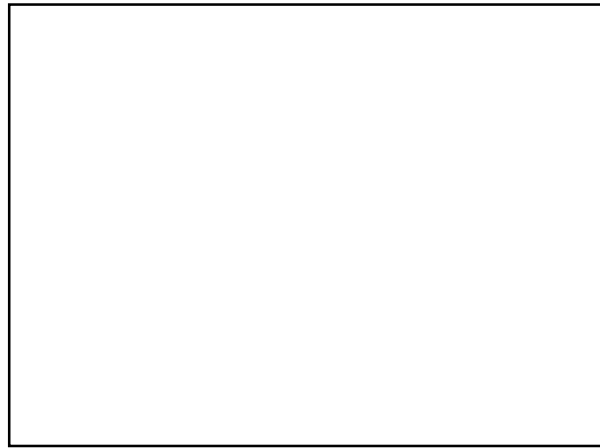
b.  $80 - 20 =$  \_\_\_\_\_      e.  $60 + 5 =$  \_\_\_\_\_

c.  $32 + 4 =$  \_\_\_\_\_      f.  $70 - 1 =$  \_\_\_\_\_

# Assessment For The California Mathematics Standards Grade 2

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   \_\_\_\_\_

# Assessment For The California Mathematics Standards

## Grade 2

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 = \_\_\_\_\_**

# Assessment For The California Mathematics Standards Grade 2

NS 4.1

Fill in the sign  $\gt$  or  $\lt$

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

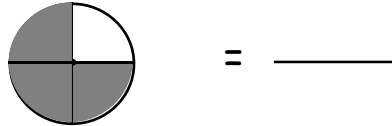
b.  $\frac{1}{9}$    $\frac{1}{7}$

# Assessment For The California Mathematics Standards

## Grade 2

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?

---

---



# Assessment For The California Mathematics Standards Grade 2

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**

# Assessment For The California Mathematics Standards Grade 2

## 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.

# Assessment For The California Mathematics Standards

## Grade 2

AF 1.3

This table shows how some children get to school.

|              | <b>Take Bus</b> | <b>Walk to School</b> |
|--------------|-----------------|-----------------------|
| <b>Boys</b>  | <b>35</b>       | <b>22</b>             |
| <b>Girls</b> | <b>14</b>       | <b>17</b>             |

- 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? \_\_\_\_\_

# Assessment For The California Mathematics Standards Grade 2

## 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

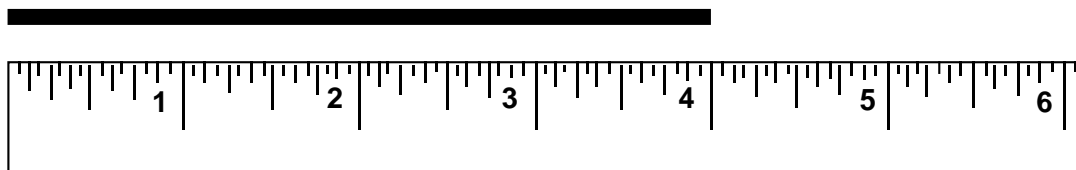
Measure the length of your desk with a new crayon and with a new pencil. Which is greater, the number of crayon units or the number of pencil units?

\_\_\_\_\_

# Assessment For The California Mathematics Standards Grade 2

MG 1.3

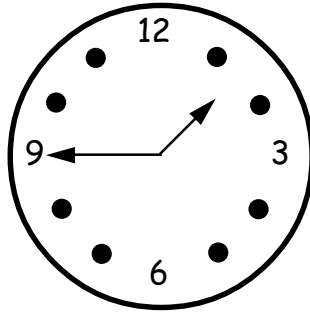
About how many inches long is the line?



# Assessment For The California Mathematics Standards Grade 2

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**

# Assessment For The California Mathematics Standards Grade 2

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?

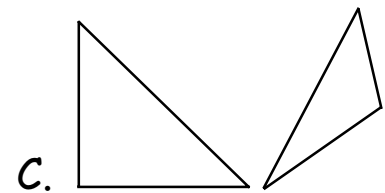
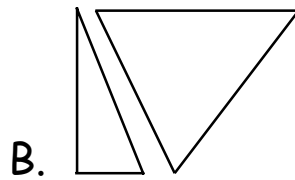
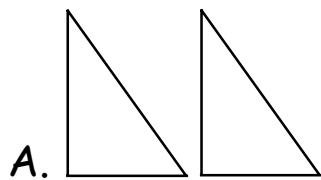
\_\_\_\_\_

c. How many faces on a cube? \_\_\_\_\_

# Assessment For The California Mathematics Standards Grade 2

## Measurement and Geometry

MG 2.2



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



# Assessment For The California Mathematics Standards Grade 2

## 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

# Assessment For The California Mathematics Standards

## Grade 2

S 1.2

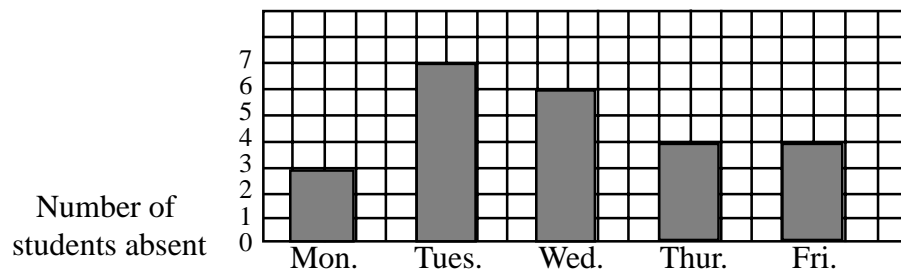
This tally shows how many students were absent this week.

Students Absent this Week

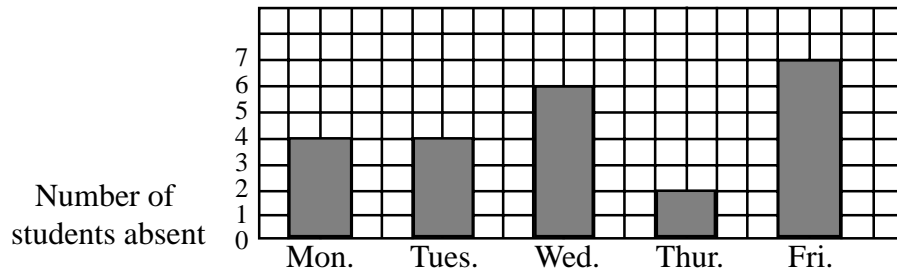
|           |  |
|-----------|--|
| Monday    |  |
| Tuesday   |  |
| Wednesday |  |
| Thursday  |  |
| Friday    |  |

Which bar graph shows the same data? \_\_\_\_\_

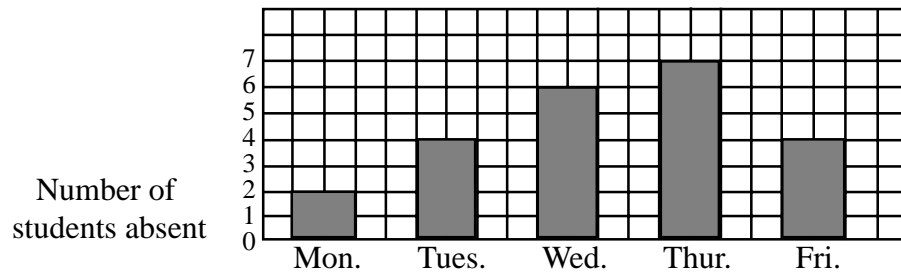
A.



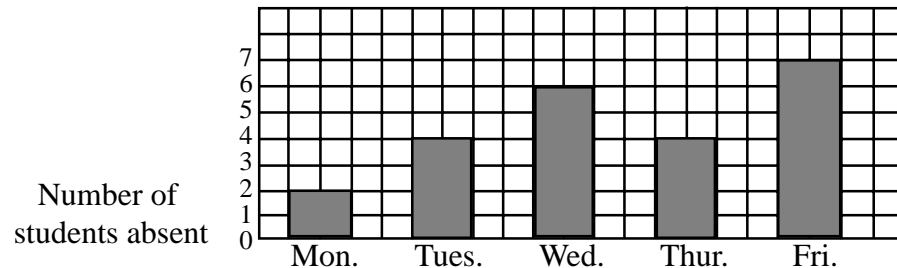
B.



C.



D.



# Assessment For The California Mathematics Standards

## Grade 2

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

# Assessment For The California Mathematics Standards

## Grade 2

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? \_\_\_\_\_