Assessment For The California Mathematics Standards
Grade 1

Introduction: Summary of Goals

GRADE ONE

By the end of grade one, students learn to understand and use the concept of ones and tens in the place value number system. Students add and subtract small numbers with ease. They measure with simple units and locate objects in space. They describe data and analyze and solve simple problems.

Assessment For The California Mathematics Standards Grade 1

Number Sense

NS 1.1

a. Write these as numbers:

forty-six _____

seventeen _____

fifteen _____

sixty-four _____

thirty-one _____

ninety _____

b. Write the numbers that you would say when you count forward from 63:

63 64 ___ ___ ___ ___ ___ ___ ___

NS 1.2

If the statement is true, circle true. If the statement is false, circle false.

$$4 < 3$$ ....true   false

$$5 > 4$$ ....true   false

$$19 = 19$$ ....true   false

$$19 < 14$$ ....true   false

$$23 > 18$$ ....true   false

$$45 > 28$$ ....true   false

$$92 < 84$$ ....true   false

NS 1.3

a. Make up an addition or subtraction sentence that has 8 as the answer.

$$\underline{\quad} + \underline{\quad} = 8$$

b. Make up another math sentence that has 8 as the answer.

$$\underline{\quad} + \underline{\quad} = 8$$

c. Make up another math sentence that has 8 as the answer.

$$\underline{\quad} - \underline{\quad} = 8$$

NS 1.4

There are 10 sticks in each bundle.

1) Write the number of sticks in group a.

2) Then write the number of sticks in group b.

a. ▦ ▦ ▦ + ||| = _____

b. ▦ ▦ + |||||| = _____

NS 1.5

a. Encircle a group of coins that will equal 35 cents:

(10 cent coins)

(5 cent coins)

(1 cent coins)

b. Encircle a different group of coins that will equal 35 cents:

(10 cent coins)

(5 cent coins)

(1 cent coins)

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Answer as many facts as you can in two minutes.

NS 2.1

$$
\begin{array}{cccccc}
4 & 1 & 1 & 2 & 2 & 3 \\
+\,1 & +\,6 & +\,3 & +\,4 & +\,5 & +\,6 \\
\end{array}
$$

$$
\begin{array}{cccccc}
3 & 3 & 4 & 2 & 4 & 4 \\
+\,4 & +\,5 & +\,6 & +\,4 & +\,5 & +\,7 \\
\end{array}
$$

$$
\begin{array}{cccccc}
9 & 5 & 6 & 6 & 6 & 6 \\
+\,9 & +\,7 & +\,7 & +\,9 & +\,6 & +\,8 \\
\end{array}
$$

$$
\begin{array}{cccccc}
7 & 7 & 8 & 7 & 8 & 8 \\
+\,8 & +\,7 & +\,7 & +\,9 & -\,8 & +\,9 \\
\end{array}
$$

$$
\begin{array}{cccccc}
4 & 9 & 7 & 7 & 3 & 9 \\
-\,1 & -\,1 & -\,1 & -\,2 & -\,2 & -\,2 \\
\end{array}
$$

$$
\begin{array}{cccccc}
8 & 9 & 8 & 7 & 9 & 8 \\
-\,2 & -\,3 & -\,3 & -\,3 & -\,5 & -\,4 \\
\end{array}
$$

$$
\begin{array}{cccccc}
6 & 5 & 8 & 9 & 8 & 9 \\
-\,5 & -\,3 & -\,5 & -\,5 & -\,6 & -\,6 \\
\end{array}
$$

NS 2.2

a. Use these numbers to make two correct number sentences using addition:

5   2   7   ___ + ___ = ___

___ + ___ = ___

b.   Use these numbers to make two correct number sentences using subtraction:

5   2   7   ___ – ___ = ___

___ – ___ = ___

NS 2.3

Write the answers:

a.   One more than thirty-eight

b.   Ten more than sixty

c.   One less than twenty-seven

d.   Ten less than forty-six

NS 2.4

a.   Count by twos:

__2__ ___ ___ ___ ___ ___ ___ ___ ___ ___

b.   Count by fives:

__5__ ___ ___ ___ ___ ___ ___ ___ ___ ___

c.   Count by tens:

__10__ ___ ___ ___ ___ ___ ___ ___ ___ ___

NS 2.5 Write the answers:

a. I had 10 cupcakes, and I ate 3 of them. How many cupcakes do I have left? _____

b. Jerry had 8 pencils. His brother gave him 4 more pencils. How many pencils does Jerry have now? _____

c. Tim had 6 toy cars. Sam had 7 toy cars. How many cars did they have together? _____

d. Ann read 12 books. Kelly read 4. How many more books than Kelly did Ann read? _____

NS 2.6

Write the answers:

a. $\begin{array}{r} 34 \\ + 23 \\ \hline \end{array}$

b. $\begin{array}{r} 57 \\ - \ \ 4 \\ \hline \end{array}$

c. $\begin{array}{r} 16 \\ + 40 \\ \hline \end{array}$

d. $\begin{array}{r} 35 \\ - \ \ 3 \\ \hline \end{array}$

e. $\begin{array}{r} 39 \\ - \ \ 8 \\ \hline \end{array}$

f. $\begin{array}{r} 42 \\ + \ \ 4 \\ \hline \end{array}$

NS 2.7

Write the answers:

   a. **5 + 3 + 2 = ____**

   b. **6 + 4 + 3 = ____**

NS 3.1

Kim has 62 trading cards. Lou has 20 trading cards. About how many more cards does Kim have than Lou? Circle the closest answer.

80   60   40   20

Algebra and Functions

AF 1.1   Write a number sentence to solve this problem.

Marie had 9 pencils. She gave away 4 of the pencils.
How many does Marie have left?

_____

AF 1.2

Fill in **+** or **−** to make the number sentence true:

a. <u>**5**   **3** **=** **8**</u>

b. <u>**5**   **3** **=** **2**</u>

c. <u>**3**   **4** **=** **7**</u>

Measurement

MG 1.1
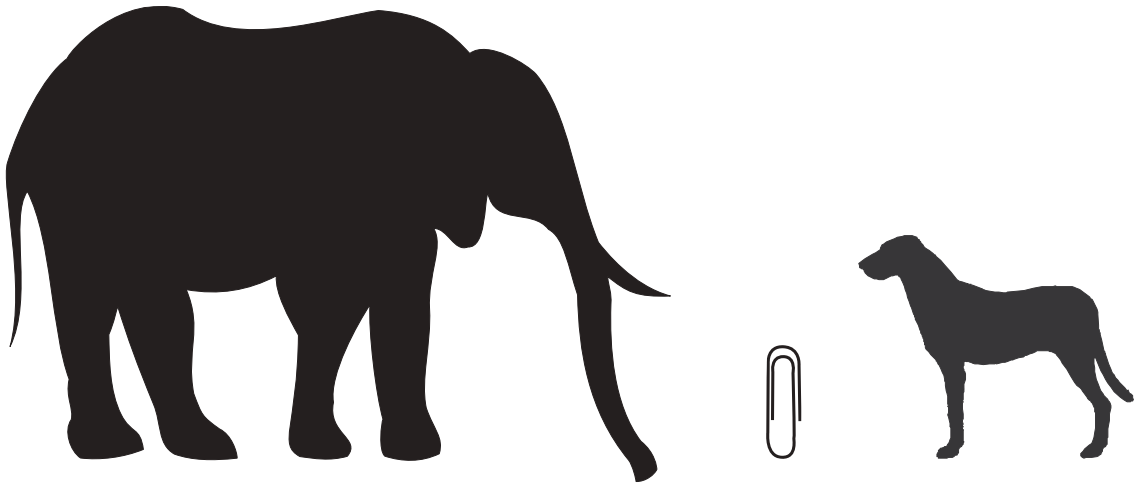
a. About how many paper clips tall is the dog?

b. About how many paper clips tall is the elephant?

MG 1.2

a. Is 10:30 a.m. before or after you eat lunch?
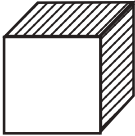
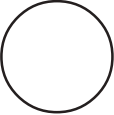b. Is 2:30 p.m. before or after you eat lunch?

Measurement

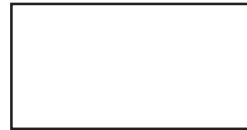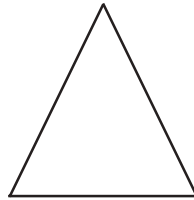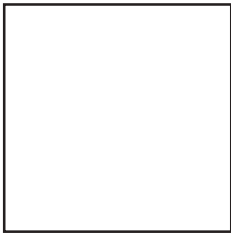**MG 2.1** Write the letter of the correct answer next to the shape.

A. triangle

B. cube

C. cylinder

D. square

E. rectangle that is not a square

F. circle

MG 2.2

Circle the object that is <u>not</u> a rectangle:

MG 2.3

a. Write the letter A <u>above</u> the rectangle.

b. Write the letter B <u>below</u> the rectangle.

c. Write the letter C <u>in</u> the rectangle.

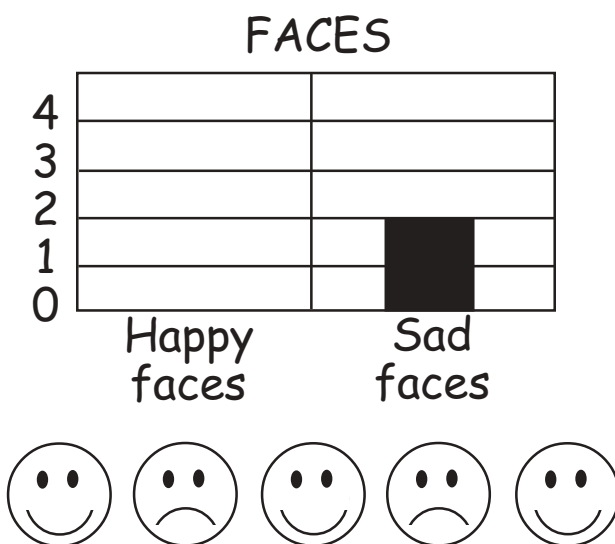d. Write the letter D to the <u>right</u>
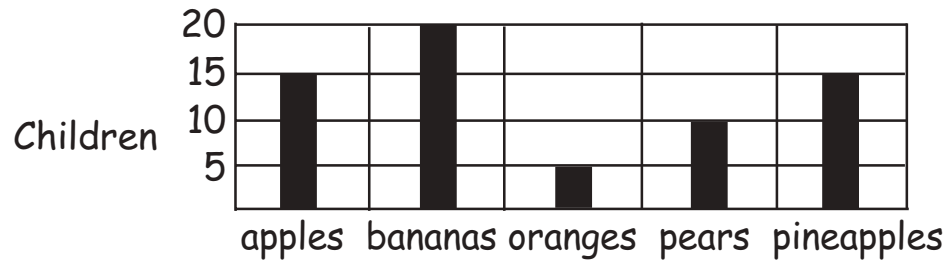   of the rectangle.

Statistics, Data Analysis and Probability

S 1.1

This graph shows how many sad faces there are. Draw a bar on the graph to show how many happy faces there are:

FACES

	Happy faces	Sad faces
4		
3		
2		
1		■
0		

☺ ☹ ☺ ☹ ☺

S 1.2 This graph shows which fruit children like.

a.   How many children like apples? _____

b.   Which fruit do the most children like? _____

c.   Which fruit do the fewest children like? _____

S 1.2

Kim did a survey of her class to see which flavor ice cream students liked. The chart below shows her results. Read the chart and answer the questions.

Flavors	Students
Chocolate	‖‖‖ ‖‖‖
Vanilla	‖‖‖ ‖‖
Strawberry	‖‖‖‖

a. Which ice cream flavor did students like the most?

b. How many students like vanilla?

c. How many more students chose chocolate than chose

vanilla?

S 2.1

Look at the pattern below determined by the first three objects. Draw the next shape in the blank.