

Title I Inventories

These inventories were compiled in Title I several years ago as a measuring tool to show growth. These inventories were designed with the intention that each grade level test be given at the beginning of the year as a pretest for concepts to be acquired during the year. **When given as a pretest it is essential that students understand that they are not expected to know most of the material. Tell the students to merely peruse the inventory to see if there are any questions they feel they would like to attempt.** Explain to the students that these same tests will be given again at the end of the year to show how much they have learned. Every box is aligned to one or more of the ASD Performance Standards for the particular grade level.

In the past few years non-Title schools have requested these inventories. As well as a measure of growth, these inventories have been used to guide instruction by identifying gaps in a student's mathematical understanding. To use it for this purpose, teachers have been giving the inventories from **previous grade levels**.

In this packet you will find: the inventories, the answer sheets for the inventories, the alignments to the ASD Performance Standards, and the grade level ASD Performance Standards. Also included is a grid on which a teacher may record the correct and incorrect answers for each question.

Math Inventory Assessment Administration

Grade 2

- Inventories may take about 1 hour to administer.
- You may choose to administer them one page at time.
- You may read the problem if it does not include “reading a number correctly”.
- You should not use any other questioning strategies.
- Please do not define any terms.
- Manipulatives should be provided.
- The inventories may be copied on overheads and read item by item to the whole class. This is particularly important in the primary grades but may extend to the intermediate grades, as needed.
- Teachers should score the inventories and correlate them to the standards so that they can focus their future instruction more precisely. A tally sheet is provided to help you highlight patterns across the class.
- *To guide instruction, use the previous grade’s inventory in the fall.* Some teachers administer grade level inventories in January, as well as in September and April; this can aid in keeping instruction focused upon the children’s needs.
- *To show growth, use the current grade level inventory in the fall and the spring.*

Grade 2 Math Inventory

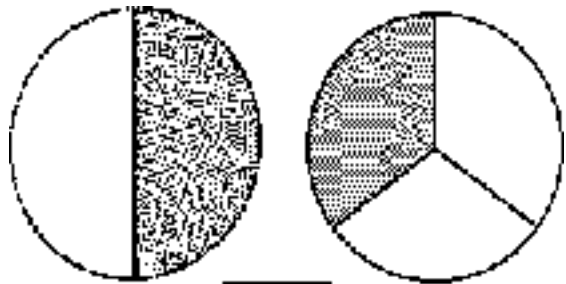
Name _____
 Date _____
 Teacher _____

1. What time is it?



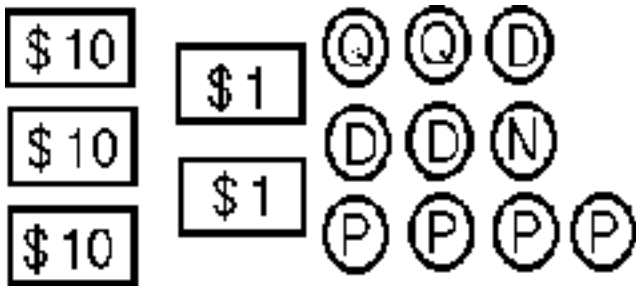
_____ : _____

3. Write a fraction for each shaded part. Put $<$, $>$ or $=$ in the box.



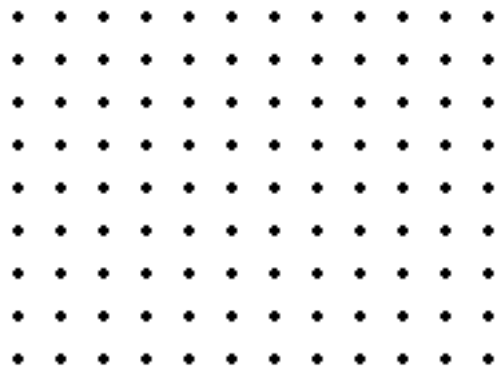
_____ _____

2. How much money?



Total: \$ _____

4. Multiply. Make an array with Os or Xs.

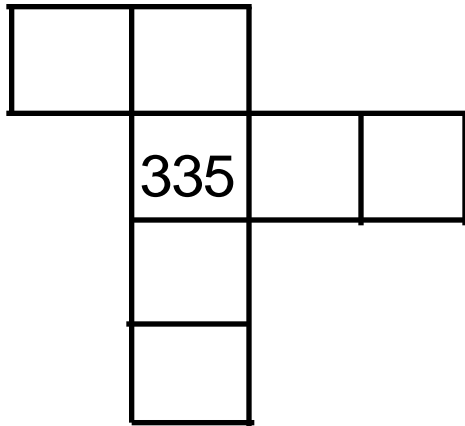


3 X 6
 —————

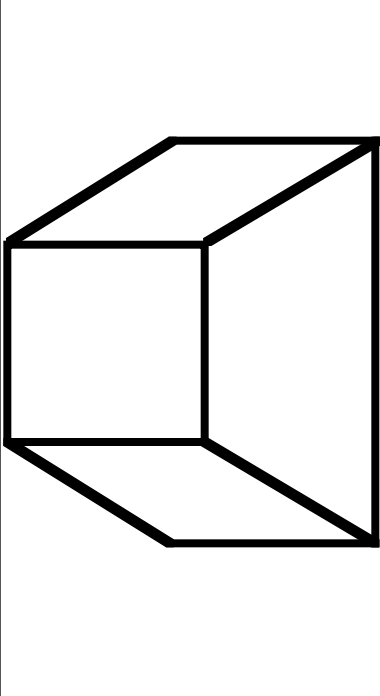
Grade 2 Math Inventory

page 2

5. Fill in the missing numbers.



6. Use your pattern blocks to trace the mirror image of the design.



7. Fill in the boxes with the missing numbers.

$$\underline{13} + \square = \underline{20}$$

$$\square + \underline{10} = \underline{25}$$

Fill in the boxes with the missing signs (>, =, <).

$$\underline{20} - \underline{8} \square \underline{15}$$

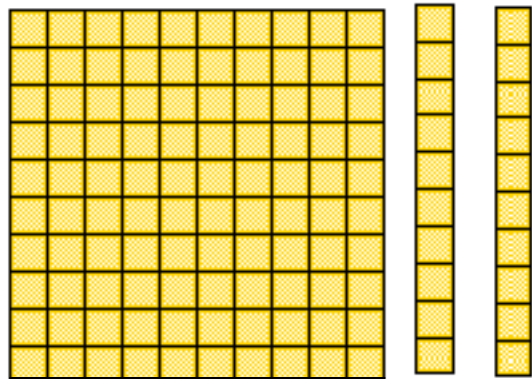
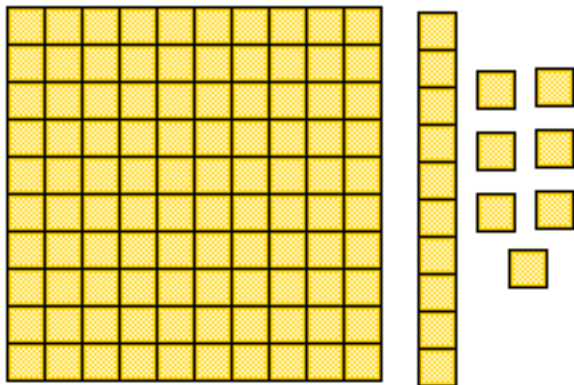
$$\underline{30} \square \underline{20} + \underline{10}$$

8. A number has:
7 ones
5 hundreds
3 tens

Write the number.

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9. What number is shown?



10. Put the numbers in order. Start with the smallest:

213 99 321 221 132

11. What's my rule?

Rule

In	Out
2	6
11	
16	
	32
38	
	45

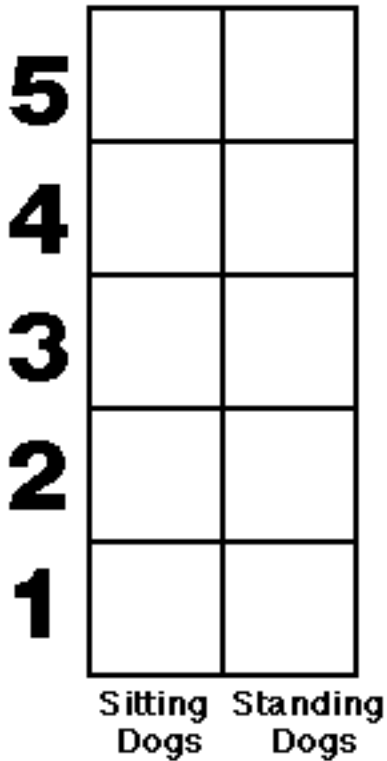
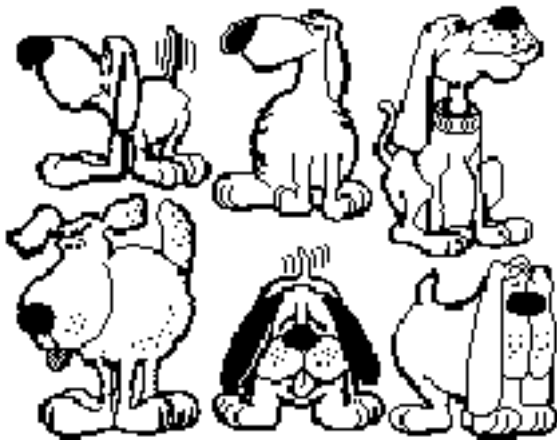
12. You buy a soda for 60¢.

You put 3 quarters in the vending machine. Find out how much change you get back and show the coins.

\$. _____

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13. Circle the dogs that are sitting.
Make a graph to show the number of dogs that are sitting and the number of dogs that are standing.



14. Draw a line from the word to the shape.

Triangle



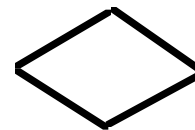
Rhombus



Trapezoid



Rectangle



15. Circle the larger item on each line:

- a. 1 yard 2 feet
- b. 10 inches 1 foot
- c. 1 gallon 1 quart
- d. 1 meter 1 centimeter

Second Grade Math Inventory Answer Key

- 8:15
- \$32.89
- $\frac{1}{2} > \frac{1}{3}$
- 18 and a rectangular array of 3×6 or 6×3
- 324, 325,
336, 337
345
355 (1/2 pt. for any 3 correct)
- Correctly drawn mirror image
- 7
15
<
= (1/2 pt. for any 2 correct)
- 537
- 237
- 99, 132, 213, 221, 321
- Rule +4
15
20
28
42
41 (1/2 pt. for the rule and 1/2 point for the blanks)
- \$.15 and an explanation in words or pictures: example:
.75-.60=.15; Counted up from 60 and got 15.
(1/2 pt. for correct answer and 1/2 pt. for the words or picture)
- Two sitting dogs and 4 standing dogs
- Any 2 correctly matched = 1 pt.
- Yard, Foot, Gallon, Meter (1/2 pt. for any 2 correct.)

