Math Post-Assessment – Grade 2
Spring 2001

Problem Solving Teacher Directions

Knowledge being assessed: *Applies a variety of strategies, to solve real-world and open-ended questions.*

Skills being assessed: *Applies number sense to solve mathematical and real-world problems. Organizes information and uses spatial organization.*

MATERIALS: manipulatives – as needed
Math Post-Assessment Grade 2 (1 per student)
pencil, eraser, scratch paper

PROCEDURE:

1. Work with whole group or small groups of students (1, 2, 3, or 4). Students are to work individually, not as a group.

2. Have manipulatives available for those students who need them.

3. Read the problem and directions to the students.

   Four children have 20 quarters to share equally at the fair. Sarah spent 3 of her quarters. Juan spent 1 of his quarters. Keisha spent all of her quarters and Harry spent 2 of his quarters. At the end of the day they put all their money together. How much money did they have left?

   Show your work using a picture or diagram, number sentence, and a written explanation. Solve it as many ways as you can.

4. Say to the students:

   "Think about how you would solve this problem. There is more than one way to figure it out. Decide how you will find the answer, and use the paper to show your thinking from the beginning to the end."

5. The teacher can repeat the entire problem and directions as necessary.

6. Observe and monitor students as they work.

7. If the student is unable to write explanations due to language or physical difficulties, the teacher may record the student's explanations. The teacher should note the reason or reasons on the paper.

8. Remind students to record answer in a dollar/cent notation.

Name: _____ Date: _____

1. Fill in the missing numbers.

____, 930, ____, ____, 933, ____, 935

2. What number is this?

9 tens
8 hundreds
0 ones

_____

3. Circle the fifth, ninth, and fourteenth stars.

☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆

4. Fill in the correct symbol (>, <, =).

18 – 9 ◯ 8 + 12

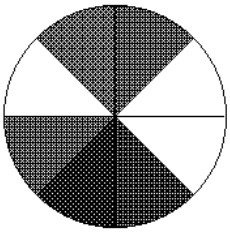
5. Is 863 odd or even? _____

6. Fill in the blanks by following the pattern.

41, 44, 47, ____, ____, 56, ____

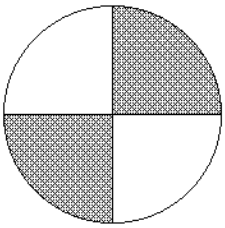
7. What fraction of the circle is not shaded?

$\frac{\square}{\square}$



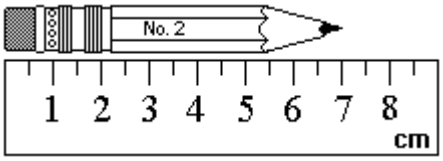
8. What fraction of the square is shaded?

$\frac{\square}{\square}$

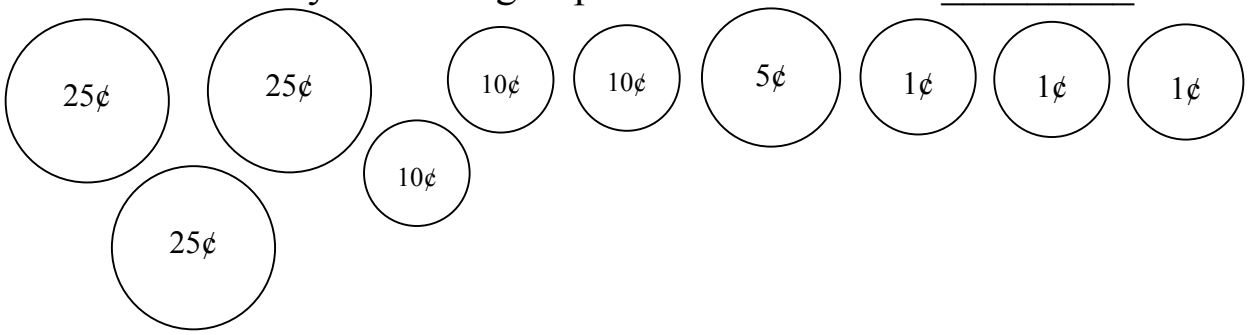


9. Color $\frac{6}{9}$.

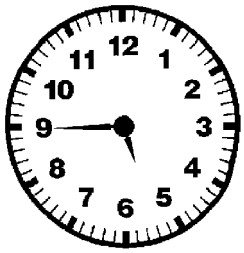
10. This pencil is _____ centimeters long.



11. How much money is in this group? _____



12. Write the time. ____:____



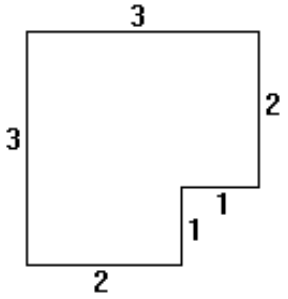
13. How many bunches of flowers were picked on Tuesday?

Each ❀ equals 5 bunches.

Monday	❀	❀	❀							
Tuesday	❀	❀	❀	❀	❀	❀	❀			
Wednesday	❀									
Thursday	❀	❀	❀	❀	❀					
Friday										

_____ bunches

14. Find the perimeter.



_____ units

15. 74 + 8 + 0 = _____

16.
$$\begin{array}{r} 95 \\ +\ 58 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 61 \\ 49 \\ +\ 56 \\ \hline \end{array}$$

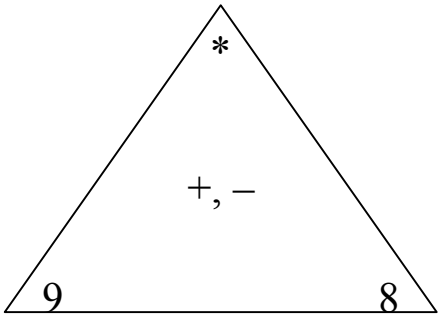
18.
$$\begin{array}{r} 43 \\ -\ 27 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 7 \\ \times\ 2 \\ \hline \end{array}$$

20. $17 - \square = 9$

21.
$$\begin{array}{r} 753 \\ -\ 241 \\ \hline \end{array}$$

22. Complete the Fact Triangle. Write the fact family.



_____ + _____ = _____

_____ + _____ = _____

_____ – _____ = _____

_____ – _____ = _____

23. Solve.

_____ Q = $1.00

_____ D = $1.00

_____ N = $1.00

24. Complete the number grid puzzle.

65		
		87

25. What's the rule?

Rule

In	Out
258	267
503	512
399	408

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Answer:

Name: _____ Date: _____

Teacher: _____

School: _____

Answer Sheet