

Math Post-Assessment – Grade 3

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 and uses spatial organization.*

MATERIALS: counters available (cubes, construction paper, etc.)
Math Post-Assessment Grade 3 (1 per student)
pencil, eraser, scratch paper

- PROCEDURE:**
1. Administer the assessment with whole group or small groups of students.
 2. Have counters available for those students who need them.
 3. Read the problem to the students:

Allison earns \$3.00 a week for allowance. She plans to spend 50¢ each week and save the rest. She wants to buy the newest Harry Potter book. The book costs \$20.75. How many weeks will it take her to save enough money to buy the book?

Show your thinking by including all of the following: 1) pictures or diagrams, 2) number model, and 3) written explanation. Solve the problem in as many ways as you can.

4. Say to the students:

"Decide what you need to do to solve this problem. You might need to read it again and use scratch paper to jot down your ideas, or use the manipulatives to help you solve the problem. On your answer sheet, show the steps you used to solve the problem."
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 difficulty, the teacher may record the student's explanations. The teacher should note the reason on the paper.

Math Post-Assessment – Grade 3

Name: _____ Date: _____

1. Write the number that has:

6 in the tens place

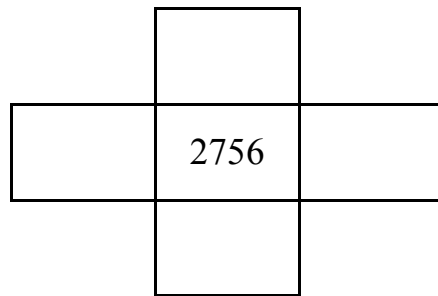
2 in the ten-thousands place

9 in the ones place

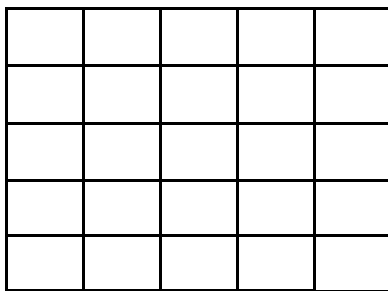
0 in the hundreds place

4 in the thousands place

2. Fill in the missing numbers.



3. What is the area of this figure?

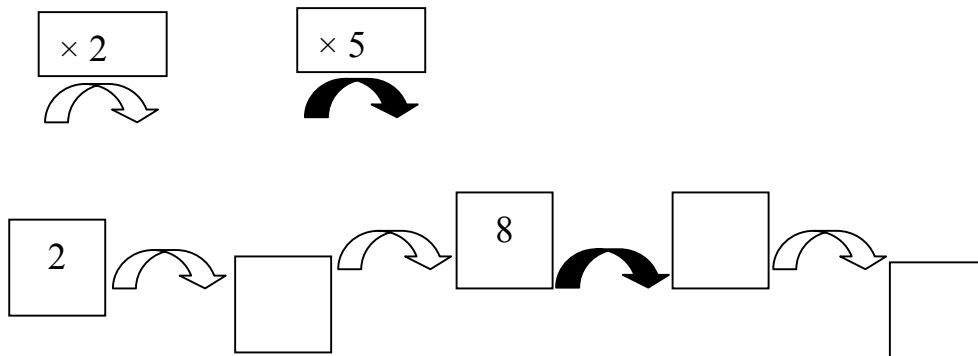


_____ square units

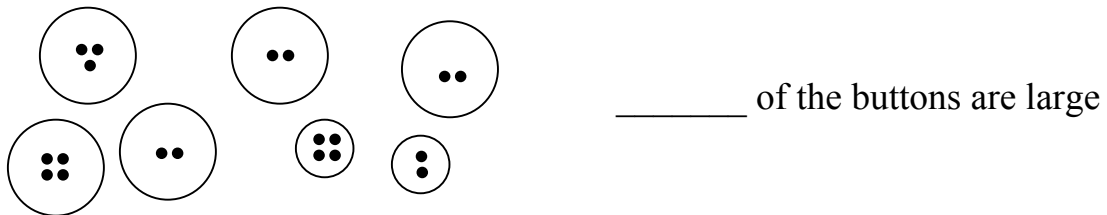
4. How much will it cost to buy 5 bags of M&M's at \$1.35 each?

5. Is 5,432 an odd or even number? _____

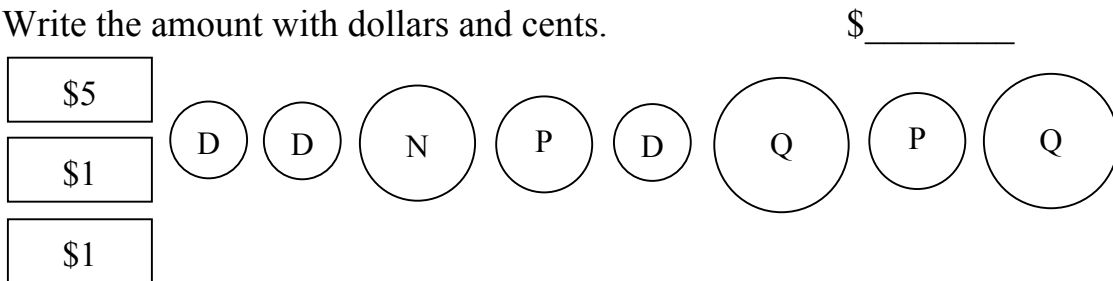
6. Complete the Frames and Arrows.



7. Write a fraction that shows how many buttons are large.



8. Write the amount with dollars and cents.



\$_____

9. You have \$1.00 and are buying a donut for \$.72. How much change will you receive from the clerk?

Solve the following problems:

10.
$$\begin{array}{r} 559 \\ + 363 \\ \hline \end{array}$$

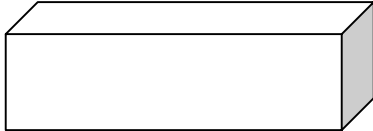
11.
$$\begin{array}{r} 603 \\ - 324 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 54 \\ \times 7 \\ \hline \end{array}$$

13. What number makes the following number sentence true?

_____ = 6×8

14. Write the name of this shape.



15. Measure this line segment in centimeters.



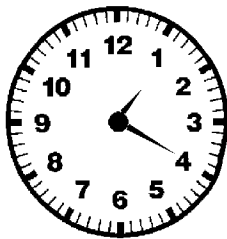
_____ centimeters

16. Measure this line segment in inches.



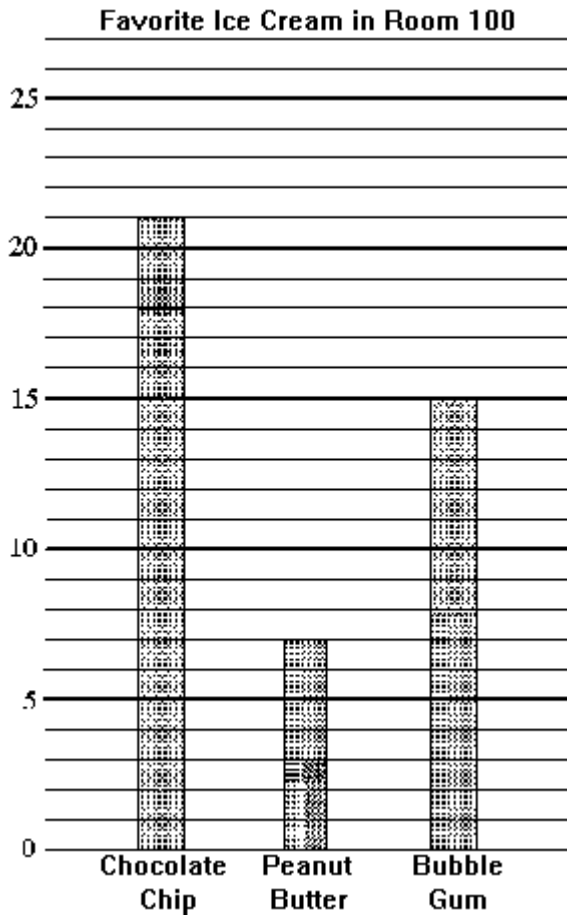
_____ inches

17. Write the time.



18. What time did the clock show fifteen minutes ago?

19. How many more kids like chocolate chip ice cream than bubble gum ice cream?



20. 64 cookies
 8 cookies per package
 ___ packages of cookies

21. What's My Rule? Fill in the rule box.

Rule

in	out
4	
5	30
	36
2	12

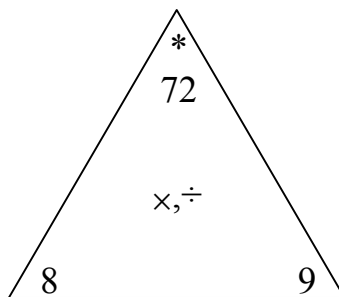
22. Write the fact family.

_____ × _____ = _____

_____ × _____ = _____

_____ ÷ _____ = _____

_____ ÷ _____ = _____



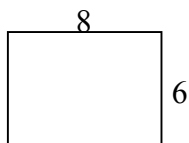
23. $3 \times 8 =$ _____

$3 \times 80 =$ _____

$3 \times 800 =$ _____

$3 \times 8000 =$ _____

24. Find the perimeter of the following shape. _____ units



25. Round this number to the nearest hundred:

635

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Answer:

