1989-9○
■ School Competition ■
Target Round
Questions 1 and 2

Name	
Name	

Total Correct	Scorer's Initials

Time: 6 minut	tes	
---------------	-----	--

1. Mary can mow a lawn in four hours and Tom can mow the lawn in 5 hours. If Tom works for 2 hours alone, what fractional part of the lawn remains to be mowed?

1.

2. The grade received on a certain teacher's 100-point test varies directly with the amount of time a student spends preparing for the test. If a student receives 72 points on a test for which she spent 3 hours preparing, what score should she receive on the next test if she spent 4 hours preparing?

2. \_\_\_\_\_

1989-9○
■ School Competition ■
Target Round
Questions 3 and 4

Name	
IVALLIC	

Total Correct	Scorer's Initials
	·

### Time: 6 minutes

3. Jack deposited \$200 in his savings account in \$1 and \$5 bills. If he deposited 136 bills, how many \$5 bills did he deposit?

3. \_\_\_\_\_

4. A city has an assessed valuation of \$8,000,000. The rate for school taxes is 60 cents per \$100 valuation. If all but 4% of the school taxes were collected, how many dollars were still owed?

4. \_\_\_\_\_

1989-9○
■ School Competition ■
Target Round
Questions 5 and 6

Name	

Total Correct	Scorer's Initials

#### Time: 6 minutes

5. The average of 10 numbers is 85. If the numbers 70 and 76 are removed from the set of numbers, what is the average of the remaining numbers?



6. The first figure contains 2 dots, the second 6 dots, and the third 12 dots. If the pattern continues, how many dots would the tenth figure contain?



- •
- 2
- 3

1989-90

■ School Competition ■
Target Round
Questions 7 and 8

Name	
Haine	

Total Correct	Scorer's Initials
	·

Ti	me:	6	Minutes
a e	1110.	v	MILLIATES

7. A jacket priced at \$50 is placed on sale at a discount of 20%. If the discounted price is then reduced another 25%, the new price is what percent of the original price?

7. \_\_\_\_\_

8. Find a positive integer that is divisible by 18 and whose cube root is a number between 8 and 8.1.

8. \_\_\_\_