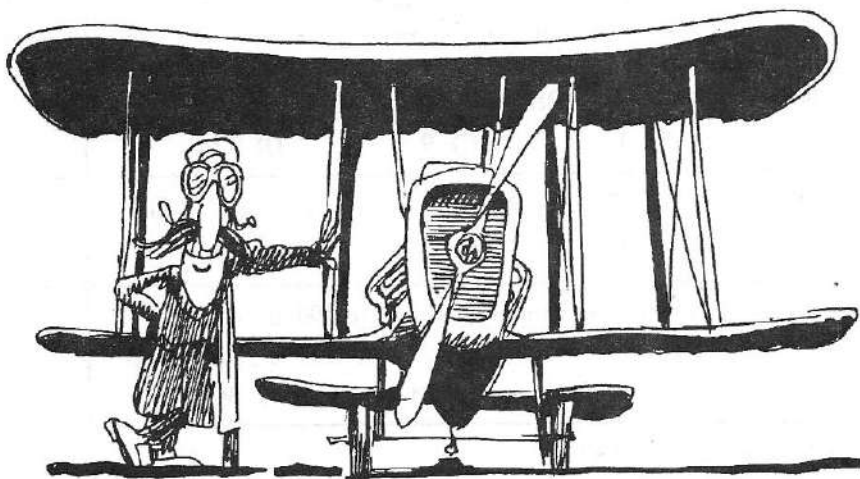


**1988-89 Annual 5th Grade Contest***Spring, 1989***Instructions****5**


- **Time** You will have only 30 *minutes* working time for this contest. You might be *unable* to finish all 30 questions in the time allowed.
- **Scores** Please remember that *this is a contest, not a test*—and there is no “passing” or “failing” score. Few students score as high as 24 points (80% correct). Students with half that, 12 points, *deserve commendation!*
- **Format and Point Value** This is a multiple-choice contest. Each answer is an A, B, C, or D. Write each answer in the *Answer Column* to the right of each question. A correct answer is worth 1 point. Unanswered questions get no credit. You **may** use a calculator.



## 1988-89 5TH GRADE CONTEST

Answer  
Column


1. $1989 = 9 \times ?$ A) 111      B) 121      C) 211      D) 221	1.
2. Each of the following has the value 0 <i>except</i> A) $0 + 100$ B) $0 \times 100$ C) $0 \div 100$ D) $100 - 100$	2.
3. $1 \times 1 \times 1 \times 1 \times 9 \times 1 \times 1 \times 1 \times 1 =$ A) 9      B) 17      C) 72      D) 81	3.
4. Of the following, which is closest in value to 1989? A) 989      B) 1889      C) 1970      D) 2000	4.
5. $98 + 98 + 98 + 98 + 98 + 2 + 2 + 2 + 2 + 2 =$ A) 495      B) 500      C) 505      D) 999	5.
6. Pat has 10 pennies and 10 nickels. The value of these coins is A) 20¢      B) 50¢      C) 60¢      D) \$1.10	6.
7. $4321 + 5678 =$ A) 9889      B) 9009      C) 10009      D) 9999	7.
8. A string of length 12 is cut into 3 pieces of equal length. What is the sum of the lengths of the 3 pieces? A) 3      B) 4      C) 9      D) 12	8.
9. $(2 + 3 + 4 + 5 + 6 + 7 + 8 + 9) - (8 + 7 + 6 + 5 + 4 + 3 + 2) =$ A) 0      B) 1      C) 9      D) 79	9.
10. How many of the whole numbers from 1 to 100 are divisible by 3? A) 3      B) 30      C) 33      D) 34	10.
11. What is the square of 4? A) 2      B) 8      C) 16      D) 44	11.

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## 1988-89 5TH GRADE CONTEST

Answer  
Column


12. Today, the difference between my parents' ages is 10 years. Four years ago, what was the difference between their ages? A) 2 years      B) 6 years      C) 10 years      D) 14 years	12.
13. $99 + 99 + 99 + 99 + 99 + 99 + 99 + 99 + 99 + 99 =$ A) $10 \times 99$ B) $10 + 99$ C) $9 \times 99$ D) $99 \times 99$	13.
14. The Speedo Car Co. charges \$8400 for a car, but gives a \$600 rebate. (A rebate is a return of money to the buyer.) What is the real cost of the car, <i>after</i> the rebate but <i>before</i> taxes? A) \$2400      B) \$7800      C) \$8400      D) \$9000	14.
15. $12 \times 34 + 56 \div 7 =$ A) $464 \div 7$ B) $1080 \div 7$ C) 504      D) 416	15.
16. When 1 is added to an even number, the new number must be A) prime      B) divisible by 3 C) even      D) odd	16.
17. If a phone call costs 20¢ for the first 3 minutes and 5¢ for each additional minute, what is the cost of a 10-minute call? A) 25¢      B) 55¢      C) 65¢      D) 95¢	17.
18. What is the average of 1, 2, 3, 4, 5, 6, and 7? A) 1      B) 4      C) 7      D) 28	18.
19. $1000 \times 100 \times 10 \times 1 \times 0.1 \times 0.01 \times 0.001 =$ A) 0      B) 0.1      C) 1      D) 10	19.
20. Which of the following has the same number of sides as a rectangle? A) a triangle      B) a rhombus      C) a circle      D) a pentagon	20.
21. $12 : 3 = 20 : ?$ A) 4      B) 5      C) 6      D) 8	21.

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1988-89 5TH GRADE CONTEST

Answer  
Column

22. How many positive prime numbers have a ones' digit of 5? A) 0                      B) 1                      C) 5                      D) 25	22.
23. A movie projector works by showing 32 different "frames" every second. What is the number of "frames" in a one-hour movie? A) 3600                      B) $32 \times 60$ C) $32 \times 360$ D) $32 \times 3600$	23.
24. Of the following, which fraction does <i>not</i> equal $\frac{2}{3}$ ? A) $\frac{22}{33}$ B) $\frac{20}{30}$ C) $\frac{4}{6}$ D) $\frac{12}{13}$	24.
25. The tens' digit of a two-digit number is 5. Round this number to the nearest hundred. A) 0                      B) 50                      C) 100                      D) 150	25.
26. As shown, square $ABCD$ has side-length 4, and $BEC$ is an equilateral triangle. The perimeter of the shaded figure $ABECD$ is A) 16                      B) 20                      C) 24                      D) 28	26.
27. The <i>digital sum</i> for the year 1989 is $1 + 9 + 8 + 9$ or 27. How many years from 1990 to 2800 have a <i>digital sum</i> of 27? A) 0                      B) 1                      C) 2                      D) 3	27.
28. If I start with \$100, increase this by 50%, then decrease the new amount by 50%, how much money will I have? A) \$50                      B) \$66                      C) \$75                      D) \$100	28.
29. What is the correct time 3600 seconds before 1:30 P.M.? A) 12:30 P.M.                      B) 2:30 P.M.                      C) 7:30 P.M.                      D) 1:30 A.M.	29.
30. January 1, 1989 was a Sunday. January 1, 1988 (a leap year) was A) a Friday                      B) a Saturday                      C) a Sunday                      D) a Monday	30.

The end of the contest  **5**

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