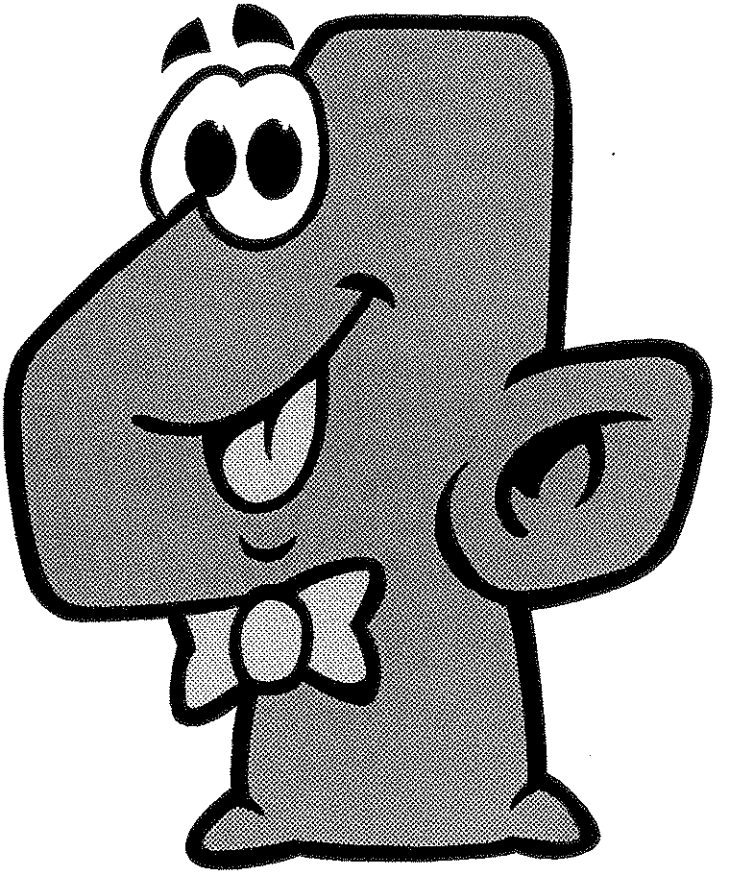
4th Grade Contests

1996-1997 through 2000-2001



FOURTH GRADE MATHEMATICS CONTEST
Math League Press, P.O. Box 17, Tenafly, New Jersey 07670-0017

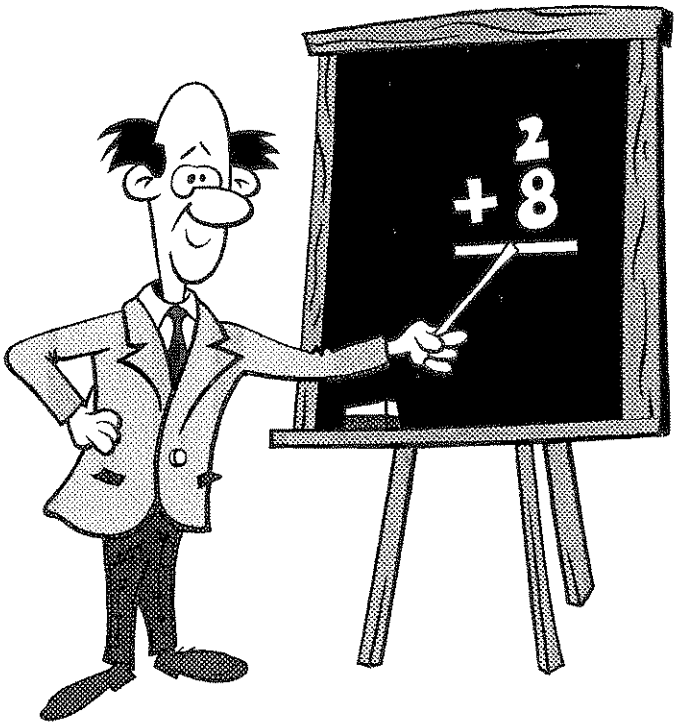
1996-97 Annual 4th Grade Contest

Spring, 1997

4

Instructions

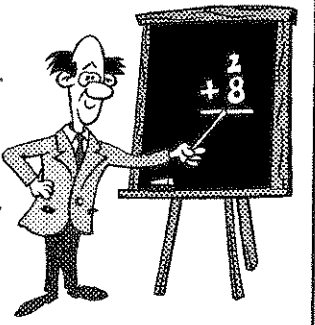
- **Time** You will have only *30 minutes* working time for this contest. You might be *unable* to finish all 30 questions in the time allowed.
- **Scores** Please remember that *this is a contest, not a test*—and there is no "passing" or "failing" score. Few students score as high as 24 points (80% 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.



Answer Column

(2 + 8) + 10 = 2× ?

A) 8 B) 10 C) 12 D) 18



1.

Of the following, the largest sum is

A) 1110+9990 B) 1101+9909

C) 1011+9099 D) 1111+9999

2.

What number is 10 more than the greatest whole number less than 100?

A) 99 B) 100 C) 109 D) 110

3.

The sum 50 + 50 + 50 is equal to each of the following *except*

A) 75+75 B) 35+35+35+35

C) 30+30+30+30+30 D) 25+25+25+25+25+25

4.

If I have 3 more than 3 dozen eggs, how many eggs do I have?

A) 24 B) 27 C) 36 D) 39

5.

444 + 444 + 444 = (3×400) + (3× ?)

A) 38 B) 40 C) 42 D) 44

6.

I had exactly 18 lollipops. If I gave away 4, lost 2, and ate 5, how many lollipops would I have left?

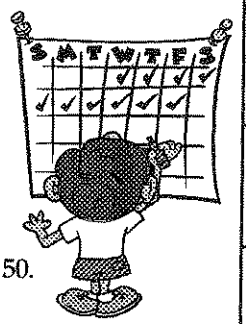
A) 7 B) 9 C) 11 D) 18

7.

If today is a Tuesday, 10 days from now is a

A) Friday B) Saturday

C) Sunday D) Monday



8.

The largest whole number less than 100 that is a multiple of 8 is

A) 88 B) 96 C) 98 D) 104

9.

There are ? 2-digit whole numbers less than 50.

A) 50 B) 49 C) 40 D) 39

10.

All of the following pairs of numbers have even sums *except*

A) 676, 989 B) 687, 989 C) 766, 898 D) 898, 988

11.

A pizza pie is cut into 8 slices. If each slice is cut into 3 pieces, how many pieces of pizza are there altogether?

A) 11 B) 16 C) 24 D) 38

12.

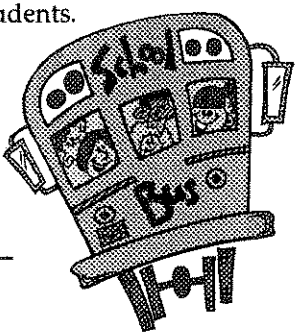
Go on to the next page ➡

Answer Column

13. If 100 cm = 1 m, then 12 m =
A) 12 cm B) 120 cm C) 1200 cm D) 12 000 cm — 13.

14. My 5 quarters are worth as much as ? dimes + 1 nickel.
A) 6 B) 10 C) 12 D) 13 — 14.

15. Each seat on my school bus holds 2 students. If my bus has 18 seats, then at most ? students can sit on my bus.
A) 9 B) 16 C) 20 D) 36 — 15.



16. In ? years, I will be 6 years older than I was 2 years ago.
A) 4 B) 6 C) 8 D) 12 — 16.

17. Every whole number is divisible by
A) 3 B) 2 C) 1 D) 0 — 17.

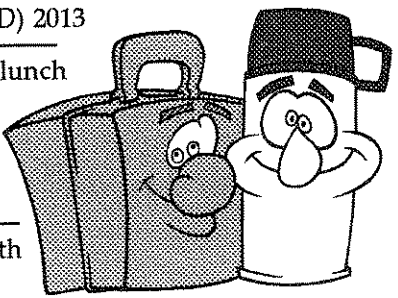
18. The difference between an even and an odd number must be
A) prime B) 1 C) even D) odd — 18.

19. Double a whole number, then subtract 2. The result is always divisible by
A) 2 B) 3 C) 4 D) 5 — 19.

20. In which pair of figures below is the number of sides in the first figure one more than the number of sides in the second?
A) square, triangle B) square, rectangle
C) triangle, square D) rectangle, square — 20.

21. Ali's 10th birthday will be in 1998. Her 15th birthday will be in
A) 2002 B) 2003 C) 2012 D) 2013 — 21.

22. This week, you spent $6.25 on lunch and I spent 50¢ less. How much did I spend on lunch?
A) $1.25 B) $5.75
C) $5.85 D) $6.75 — 22.



23. I have two coins. If one is worth twice the other, the two coins might be worth ? together.
A) 6¢ B) 15¢ C) 30¢ D) 35¢ — 23.

Go on to the next page ➡ 4

Answer Column

24. In HiWay City, odd-numbered routes run North and South, and even-numbered routes run East and West. On how many of the following HiWay City routes can I travel East?

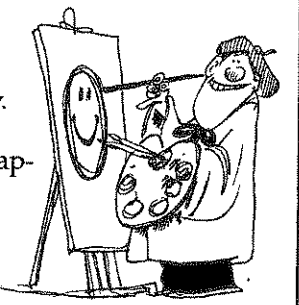
Route 66 Route 70 Route 89 Route 98

A) 1 B) 2 C) 3 D) 4

24.

25. An artist painted 1 happy face yesterday. If he paints twice as many happy faces each day as the day before, how many happy faces will he paint 4 days from now?

A) 4 B) 8 C) 16 D) 32



25.

26. If three *different* whole numbers are chosen, one from (6,7,8), one from (2,5,8), and one from (4,6,8), what is the greatest sum that these three numbers could have?

A) 24 B) 21 C) 20 D) 19

26.

27. The hundreds' digit of the product $999\,999\,999 \times 888\,888\,888$ is

A) 1 B) 2 C) 4 D) 9

27.

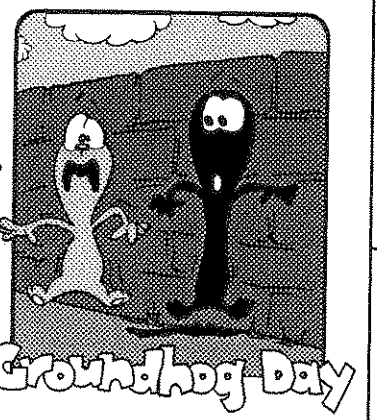
28. A square whose side is 12 cm long can be cut up into at most ? squares whose sides are each 4 cm long.

A) 3 B) 6 C) 9 D) 12

28.

29. This year on Groundhog Day, the groundhog saw its shadow 120 times. Last year on this day, the groundhog saw its shadow 6 times for every 5 times it saw its shadow this year. How many times did the groundhog see its shadow last year?

A) 100 B) 144 C) 220 D) 264



29.

30. $(2000 + 1999 + \ldots + 1001 + 1000) - (1000 + 999 + \ldots + 2 + 1) = 1000 \times ?$

A) 999 B) 1000
C) 1001 D) 1002

30.

The end of the contest 4

Solutions on Page 73 • Answers on Page 138

FOURTH GRADE MATHEMATICS CONTEST
Math League Press, P.O. Box 17, Tenafly, New Jersey 07670-0017

1997-98 Annual 4th Grade Contest

Spring, 1998

4

Instructions

- **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.

Answer Column

1. What is the sum of 500 ones?
   A) 1 B) 500 C) 501 D) 5000

1.

2. 10 hours = ? minutes
   A) 6 B) 60 C) 70 D) 600

2.

3. 19 + 98 = 20 + ?
   A) 78 B) 97 C) 99 D) 1978

3.

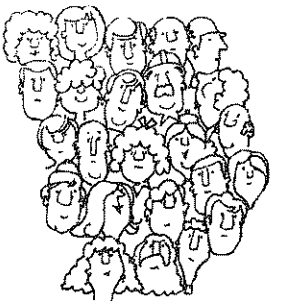
4. When I multiply ? by itself, the result is 256.
   A) 16 B) 32 C) 64 D) 128

4.

5. The number two thousand one is a ? -digit number.
   A) 2 B) 3 C) 4 D) 5

5.

6. A group of 24 people can be split into ? groups of 3 people each.
   A) 4 B) 6 C) 8 D) 12



6.

7. 30 ones has the same value as ? tens.
   A) 3 B) 10 C) 30 D) 300

7.

8. $(12 \div 4) \times 3 =$
   A) 1 B) 3 C) 6 D) 9

8.

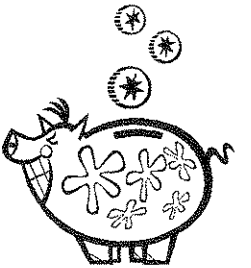
9. $(10 \times 1) + (10 \times 10) + (10 \times 100) =$
   A) 111 B) 1100 C) 1110 D) 1111

9.

10. If Gramps has 12 pairs of red socks, he has ? red socks.
    A) 6 B) 12 C) 14 D) 24

10.

11. The number of coins in $1.25 worth of nickels is ? more than the number of coins in $1.25 worth of quarters.
    A) 20 B) 21 C) 25 D) 30



11.

12. Which of the following is an even number *and* a factor of 18?
    A) 9 B) 6 C) 4 D) 3

12.

Go on to the next page ➡ 4

Answer Column

13. The word *groundbreaking* has ? vowels.
A) 2 B) 3 C) 4 D) 5

13.

14. $(2\times1) + (2\times3) + (2\times5) =$
A) 2×8 B) 2×9 C) 6×9 D) $2+9$

14.

15. 7000 cm = ? m
A) 7 B) 70 C) 700 D) 7000

15.

16. How much greater is 5555 than 1234?
A) 4021 B) 4123 C) 4231 D) 4321

16.

17. Since I'm next to last of 8 people holding a hot dog, ? people are ahead of me.
A) 4 B) 5 C) 6 D) 7

17.

18. How many days in a week have names with more than 6 letters?
A) 6 B) 5 C) 4 D) 3

18.

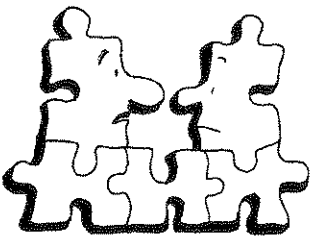
19. If I double ? and divide the result by 4, the quotient is 16.
A) 2 B) 32 C) 64 D) 128

19.

20. Though I misspelled 5 words on a quiz, I spelled 5 times as many correctly. How many words were on the quiz altogether?
A) 5 B) 10 C) 25 D) 30

20.

21. A jigsaw puzzle has 500 pieces, of which 85 are edge pieces. How many pieces are *not* edge pieces?
A) 315 B) 415 C) 425 D) 585



21.

22. $(3\times333) + (3\times333) = 3\times$?
A) 111 B) 333 C) 666 D) 999

22.

23. When divided by 5, the number ? leaves a remainder of 3.
A) 1998 B) 1999 C) 2001 D) 2002

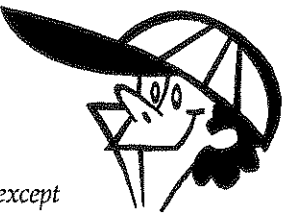
23.

Go on to the next page ➡ 4

Answer Column

24. Tim turned 10 years old exactly two months ago. Tim will turn 12 years old in ? months.

A) 20 B) 22 C) 24 D) 26



24.

25. Every number divisible by 8 *must* be divisible by all the following numbers *except*

A) 6 B) 4 C) 2 D) 1

25.

26. Divide 891 by 3. The quotient can be divided evenly by

A) 7 B) 17 C) 27 D) 97

26.

27. Pat's pot-bellied pig eats 3 pans of pig food a day at a cost of 75¢ per pan. How much does 1 week's worth of pig food cost?

A) $15.75 B) $5.25 C) $2.25 D) $21

27.

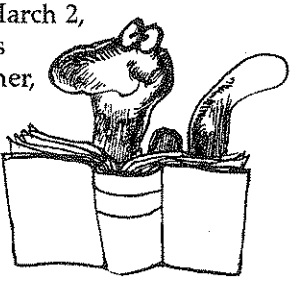
28. The fewest number of 2's you need to multiply together to get a product greater than 1000 is

A) 4 B) 9 C) 10 D) 501

28.

29. I read 1 page on March 1, 2 pages on March 2, and so on. Each day in March, I read as many pages as the day number. Altogether, how many pages did I read in March?

A) 30 B) 31 C) 465 D) 496



29.

30. To form the number 13 471 897, begin with 1, then 3. Each following digit is the ones' digit of the sum of the two digits before it. A 25-digit number is formed the same way, but starting with 1, then 5. The ones' digit of this number is

A) 1 B) 5 C) 7 D) 9

30.

The end of the contest 4

Solutions on Page 77 • Answers on Page 139

FOURTH GRADE MATHEMATICS CONTEST
Math League Press, P.O. Box 17, Tenafly, New Jersey 07670-0017

1998-99 Annual 4th Grade Contest

Spring, 1999

4

Instructions

- **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.

Answer Column

1. $1 \times 1 \div 1 \times 1 \div 1 \times 1 \div 1 \times 1 \div 1 \times 1 =$
   A) 0 B) 1 C) 9 D) 10 — 1.

2. Anyone eating here needs a fork, a spoon, and a knife. When five of us eat here, the total number of forks plus spoons plus knives we need is
   A) 5 B) 8 C) 10 D) 15 — 2.

3. $(1 \times 2 \times 3 \times 4 \times 5) \div 6 =$
   A) 6 B) 20 C) 36 D) 720 — 3.

4. Last month, my parrot ate 16 oranges, 12 bananas, and 22 apples. How many pieces of fruit was that?
   A) 40 B) 46 C) 48 D) 50 — 4.

5. The sum of the hundreds' digit and the ones' digit of 1999 is
   A) 10 B) 18 C) 28 D) 81 — 5.

6. Each of the following is a whole number *except*
   A) $3 \div 2$ B) $3 - 2$ C) 3×2 D) $3 + 2$ — 6.

7. When spelled, how many months have *e* as their second letter?
   A) 1 B) 2 C) 3 D) 4 — 7.

8. After I ate four of my two dozen donuts, I had ? donuts left.
   A) 8 B) 16 C) 20 D) 28 — 8.

9. $32 \div 4 = 64 \div$?
   A) 2 B) 6 C) 8 D) 16 — 9.

10. Michael Jordan's first uniform number was 23. His second was 45. The sum of his two uniform numbers is
    A) 22 B) 68 C) 72 D) 1035 — 10.

11. $8 \times 6 \times 4 \times 2 \times 0 =$
    A) 0 B) 1 C) 20 D) 384 — 11.

12. What is the correct time exactly 61 minutes after 2:00 P.M.?
    A) 2:59 P.M. B) 2:61 P.M. C) 3:01 P.M. D) 3:31 P.M. — 12.

Go on to the next page ➡ 4

Answer Column

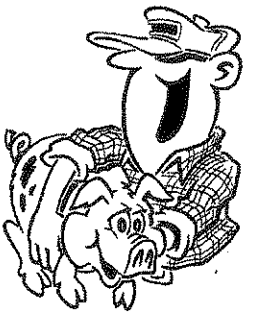
13. The number of consonants in the word *consonant* plus the number of vowels in the word *vowel* equals

A) 3 B) 8 C) 9 D) 11

13.

14. My dad found a piggy bank that contained 7 pennies. All the other coins were nickels. The value of the coins in the piggy bank could *not* have been

A) \$66.66 B) \$67.67
C) \$77.77 D) \$222.22



14.

15. $2+3+4+5+6 = 2\times3\times4\times5\times6 \div$?

A) 12 B) 24 C) 36 D) 60

15.

16. What number is 22 more than the number that is 33 less than 44?

A) 99 B) 55 C) 33 D) 11

16.

17. Each of the following products is an even number *except*

A) 11×99 B) 44×33 C) 55×22 D) 88×66

17.

18. If baseball cards cost fifty cents per pack, how many packs can you buy for five dollars?

A) 5 B) 10 C) 20 D) 50

18.

19. The referee is 25 years older than my brother, who is twice my age. If I am 9, how old is the referee?

A) 43 B) 48 C) 50 D) 59

19.

20. $7+7+7+7+7+7+7+7 = 7 \times$?

A) 7 B) 8 C) 49 D) 56

20.

21. To compute the *square* of a number, just multiply the number by itself. What is the square of 11?

A) 22 B) 110 C) 111 D) 121

21.

22. $1+2+3+4+5+6+7+8 = 11+22+33+44+55+66+77+88 -$?

A) 10 B) 80 C) 180 D) 360

22.

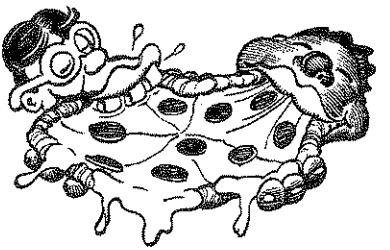
Go on to the next page ➠ 4

Answer Column

23. What is the sum of the digits in the number one million?
A) one B) one hundred C) one thousand D) one million — 23.

24. Alex, born last year, is exactly 4 years younger than Lee. Alex is ? days younger than Lee.
A) 365 B) 1460 C) 1461 D) 1464 — 24.

25. For a class party, we ordered four pizzas in the shape of a square and one pizza in the shape of a pentagon. Added together, the total number of sides that all these pizzas had was
A) 17 B) 18 C) 20 D) 21



25.

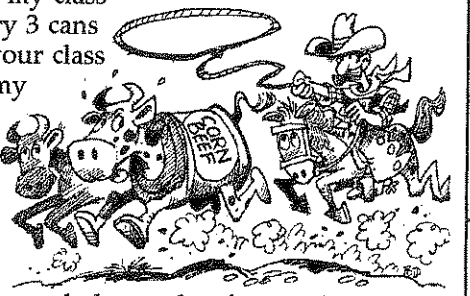
26. Seven years from now, I will be twice as old as I was one year ago. How old am I now?
A) 9 B) 8 C) 7 D) 6 — 26.

27. If 6 divides evenly into both my age and my grandmother's age, then the sum of our ages could be
A) 52 B) 54 C) 56 D) 58 — 27.

28. Which one is *not* a side of rectangle *ABCD*?
A) $\overline{BD}$ B) $\overline{AD}$ C) $\overline{CD}$ D) $\overline{AB}$

28.

29. At the canned food drive, my class brought in 5 cans for every 3 cans your class brought in. If your class brought in 60 cans, then my class brought in ? cans.
A) 36 B) 65
C) 75 D) 100



29.

30. Of the whole numbers from 1 through 100, how many are 5 less than another whole number from 1 through 95?
A) 20 B) 90 C) 95 D) 100 — 30.

The end of the contest 4

Solutions on Page 81 • Answers on Page 140

FOURTH GRADE MATHEMATICS CONTEST
Math League Press, P.O. Box 17, Tenafly, New Jersey 07670-0017

1999-2000 Annual 4th Grade Contest

Spring, 2000

4

Instructions

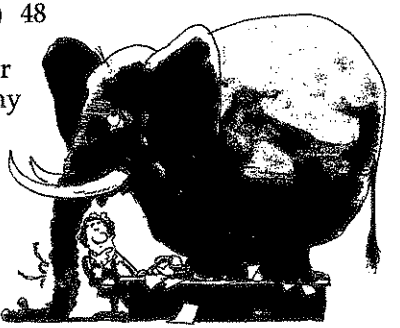
- **Time** You will have only *30 minutes* working time for this contest. You might be *unable* to finish all 30 questions in the time allowed.
- **Scores** Please remember that *this is a contest, not a test*—and there is no "passing" or "failing" score. Few students score as high as 24 points (80% 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.

Answer Column

1. What number is 2 more than 999 + 999?
   A) 1001 B) 1998 C) 2000 D) 2002 — 1.

2. I ate 2 more than 2 dozen mints. How many mints did I eat?
   A) 14 B) 22 C) 26 D) 48 — 2.

3. Every day, my elephant begs for 3 bags of peanuts. For how many bags does it beg each week?
   A) 3 B) 7 C) 10 D) 21 — 3.



4. $50 + 100 + 150 = \underline{?} \times 50$
   A) 2 B) 3 C) 4 D) 6 — 4.

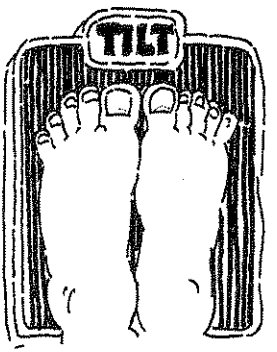
5. In which of the following numbers is the hundreds' digit greater than the tens' digit?
   A) 9764 B) 8459 C) 1234 D) 1000 — 5.

6. Which of the following sums is *not* equal to the other three?
   A) 19 + 91 B) 18 + 81 C) 27 + 72 D) 36 + 63 — 6.

7. The number ? reads the same forwards and backwards.
   A) 98766789 B) 45545454 C) 12343214 D) 10535301 — 7.

8. Multiply the number of sides in a triangle by the number of sides in a square. The number ? is *not* a factor of this product.
   A) 3 B) 4 C) 5 D) 6 — 8.

9. I ate one frozen yogurt bar for every 3 ice cream bars. If I ate 12 ice cream bars, how many frozen yogurt bars did I eat?
   A) 4 B) 9 C) 15 D) 36 — 9.



10. $21 + 21 + 21 = 31 + 31 + 31 - \underline{?}$
    A) 10 B) 11 C) 21 D) 30 — 10.

11. $11+22+33+44 = 1+2+3+4+\underline{?}$
    A) 10 B) 40 C) 100 D) 110 — 11.

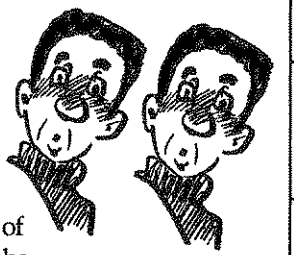
12. When 106 is divided by 3, the remainder is
    A) 0 B) 1 C) 2 D) 3 — 12.

Go on to the next page ➡ 4

Answer Column

13. Of the following, which is *not* equal to $5 \times 4 \times 3 \times 2$?
A) 15×6 B) 8×15 C) 10×12 D) 20×6 — 13.

14. What is the smallest whole number greater than 0 that is divisible by both 8 and 36?
A) 4 B) 36 C) 72 D) 288 — 14.



15. My school has 5 sets of twins. How many of the students at my school are twins?
A) 5 B) 10 C) 15 D) 20 — 15.

16. My initials are the 1st, 12th, and 20th letters of the alphabet, in that order. My name could be
A) Alex Louis Thomas B) Amy Lara Sanchez
C) Anna Maria Trunk D) Albert Kevin Upton — 16.

17. Of the 50 whole numbers from 1 to 50, only ? are divisible by 2.
A) 23 B) 24 C) 25 D) 26 — 17.

18. 12 tens + 12 ones = 1 hundred + ? ones.
A) 12 B) 21 C) 22 D) 32 — 18.

19. The length of one side of a square is 3. The sum of the lengths of the other three sides is
A) 3 B) 6 C) 9 D) 12 — 19.

20. Today's *Chef's Specials* were served on 8 red plates, 6 green plates, 5 white plates, and 4 blue plates. How many of today's *Chef's Specials* were *not* served on blue plates?
A) 4 B) 18 C) 19 D) 23 — 20.

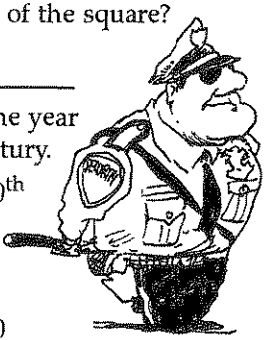
21. The total value of 8 nickels and 7 dimes equals the total value of ? quarters and 7 nickels.
A) 2 B) 3 C) 6 D) 8 — 21.

22. ? numbers between 1 and 41 are equal to 5 times an even number.
A) two B) four C) eight D) twenty — 22.

Go on to the next page ➡

Answer Column

23. A diameter of a circle is twice as long as a side of a square. If a radius of the circle is 2, how long is a side of the square?
A) 1 B) 2 C) 4 D) 8 — 23.



24. When the store security guard retires in the year 2001 A.D., we will be living in the ? century.
A) 19^{th} B) 20^{th} C) 21^{st} D) 200^{th} — 24.

25. When each of the following is divided by 3, the greatest remainder is left by
A) 173 B) 217 C) 364 D) 420 — 25.

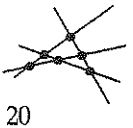
26. Add any two odd numbers. The ones' digit of the sum is always
A) 2 B) prime C) odd D) even — 26.

27. Altogether, 12 triangles have as many sides as ? rectangles.
A) 4 B) 8 C) 9 D) 16 — 27.

28. My pennies are worth as much as my nickels, my nickels are worth as much as my dimes, and my dimes are worth as much as my quarters. If the value of *all* these coins is \$8, how many nickels do I have?
A) 200 B) 40 C) 20 D) 8 — 28.

29. My dog walked 10 times as far as Frank's dog, and Frank's dog walked 10 times as far as Al's dog. If Frank's dog walked 10 km, then my dog walked ? km farther than Al's dog.
A) 9 B) 90 C) 99 D) 109 — 29.

30. Four straight lines can cross in as many as six points, as shown. What is the greatest number of points in which five straight lines can cross?
A) 9 B) 10 C) 12 D) 20 — 30.



The end of the contest 4

Solutions on Page 85 • Answers on Page 141

FOURTH GRADE MATHEMATICS CONTEST
Math League Press, P.O. Box 17, Tenafly, New Jersey 07670-0017

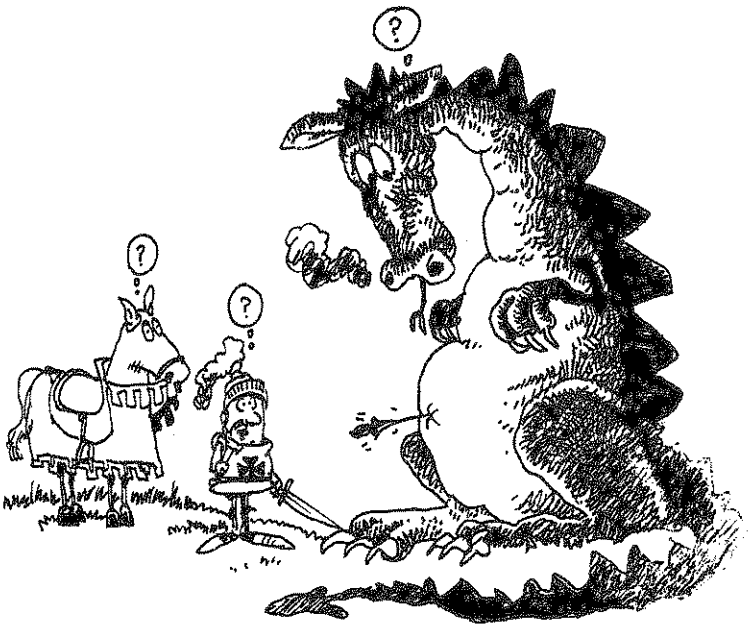
2000-2001 Annual 4th Grade Contest

Spring, 2001

4

Instructions

- **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.



Answer Column

1. $20 \times 10 \times 2 \times 1 =$

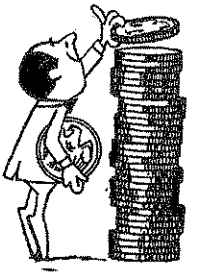
   A) 212 B) 221 C) 400 D) 420 — 1.

2. What is 1 more than 20 more than 300?

   A) 32 B) 51 C) 312 D) 321 — 2.

3. $9 + 1 + 8 + 2 + 7 + 3 = 6 + \underline{?}$

   A) 4 B) 24 C) 30 D) 36 — 3.



4. Ten quarters is worth as much as ? dimes.

   A) 5 B) 10 C) 15 D) 25 — 4.

5. A period of ? weeks is exactly 56 days long.

   A) 6 B) 7 C) 8 D) 9 — 5.

6. How many of the letters in the word *mathematics* are vowels?

   A) 11 B) 7 C) 4 D) 3 — 6.

7. Which number is twenty thousand, one hundred one?

   A) 2101 B) 20 101 C) 21 101 D) 201 001 — 7.

8. 3 hours = 2 hours + 10 minutes + ? minutes

   A) 30 B) 50 C) 60 D) 90 — 8.

9. The number that's 10 less than 2001 is 10 more than

   A) 1981 B) 1991 C) 2001 D) 2011 — 9.

10. At the picnic, Sue swallowed 1 of every 6 seeds in her slice of watermelon. Sue must have swallowed ? of the 162 seeds in her slice.

    A) 27 B) 28 C) 52 D) 156 — 10.

11. $101 \times 10 \times 1 \times 0 \times 1 \times 10 \times 101 = 1010 \times \underline{?}$

    A) 0 B) 1 C) 2 D) 3 — 11.

12. $21 \times 21 = 7 \times 7 \times \underline{?}$

    A) 3 B) 7 C) 9 D) 21 — 12.

Go on to the next page ➡

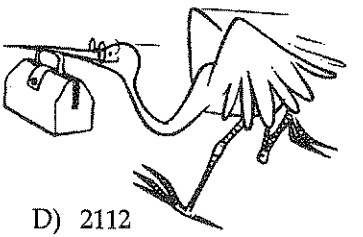
Answer Column

13. A triple is a group of 3, so 1 dozen pairs equals ? triples. 13.

A) 6 B) 8 C) 12 D) 36

14. The sum of the lengths of all the sides of a square equals the length of 1 side multiplied by 14.

A) 2 B) 3 C) 4 D) 8



15. It took FedStork 11 weeks + 11 days to deliver the medical bag. How many hours was that? 15.

A) 22 B) 88 C) 121 D) 2112

16. If 2 rocks are worth 5 stones, then ? stones are worth 10 rocks. 16.

A) 2 B) 4 C) 25 D) 50

17. By how many 8s does 32+32+32+32 exceed 24+24+24+24? 17.

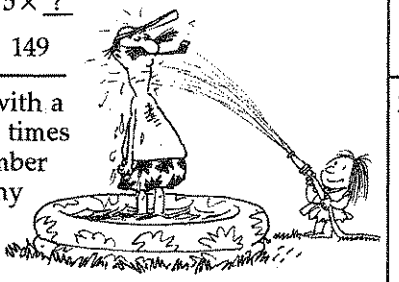
A) 4 B) 8 C) 24 D) 32

18. (# sides in a rectangle) − (# sides in a square) = (# of sides in a triangle) − ? 18.

A) 0 B) 1 C) 2 D) 3

19. 145 + 146 + 147 + 148 + 149 = 5 × ? 19.

A) 146 B) 147 C) 148 D) 149



20. Of the 101 times I squirted Dad with a hose last summer, the number of times I missed is 31 more than the number of times I got him wet. How many of the 101 squirts missed Dad? 20.

A) 35 B) 49 C) 66 D) 70

21. Of the following sums, which is *not* divisible by 3 + 3 + 3? 21.

A) 33 + 33 B) 6 + 6 + 6 + 6 + 6 + 6

C) 9 + 9 + 9 + 9 + 9 D) 18 + 18

22. What is the sum of the remainders of 1234 ÷ 5 and 6789 ÷ 10? 22.

A) 4 B) 5 C) 9 D) 13

Go on to the next page ➡

Answer Column

23. The product of a whole number and itself must be divisible by

A) 1, but not necessarily 2 B) 2, but not necessarily 1
C) 1 & 2, but not necessarily 3 D) 1, 2, & 3

23.

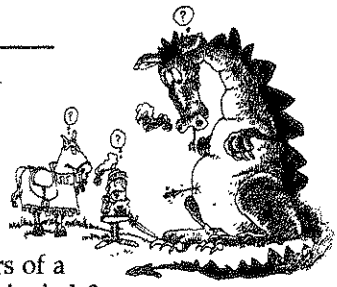
24. (sum of all digits in 2000) × (sum of all digits in 2001) =

A) 0 B) 2 C) 3 D) 6

24.

25. A dinosaur grows 2 m each week. A dragon grows 1 m each day. In 4 weeks, how much more does a dragon grow than a dinosaur?

A) 4 B) 8 C) 12 D) 20



25.

26. The sum of the lengths of 4 diameters of a circle is 128. How long is a radius of this circle?

A) 4 B) 8 C) 16 D) 32

26.

27. If they may touch but not overlap, at most how many squares of area 4 can fit inside a rectangle with width 6 and length 14?

A) 14 B) 21 C) 28 D) 49

27.

28. An *acronym* is a word formed from the first one or more letters of each word in a group of words. If "UFO" is an acronym for "unidentified flying object," then for how many of the following word groups could MATH be an acronym?

I. Multiply All Those Hundreds
II. MArtians Take Hostages
III. MATthew Hides
IV. Minutes After The Hour

A) one B) two C) three D) four

28.

29. Each of the 5 target stripes on my shirt is worth a different odd whole number less than 50. What is the greatest possible sum of these 5 numbers?

A) 220 B) 225 C) 235 D) 245

29.

30. 2001 + (2000 − 1999 + 1998 − 1997 + 1996 − . . . + 2 − 1) =

A) 2001 B) 3001 C) 4001 D) 4002

30.

The end of the contest 4

Solutions on Page 89 • Answers on Page 142

Answer Keys & Difficulty Ratings

1996-1997 through 2000-2001

ANSWERS, 1996-97 4th Grade Contest

1. B	7. A	13. C	19. A	25. D
2. D	8. A	14. C	20. A	26. B
3. C	9. B	15. D	21. B	27. A
4. B	10. C	16. A	22. B	28. C
5. D	11. A	17. C	23. B	29. B
6. D	12. C	18. D	24. C	30. C

RATE YOURSELF!!!

for the 1996-97 4th GRADE CONTEST

Score	Rating
28-30	Another Einstein
25-27	Mathematical Wizard
22-24	School Champion
18-21	Grade Level Champion
16-17	Best In The Class
14-15	Excellent Student
11-13	Good Student
9-10	Average Student
0-8	Better Luck Next Time

ANSWERS, 1997-98 4th Grade Contest

1. B	7. A	13. D	19. B	25. A
2. D	8. D	14. B	20. D	26. C
3. B	9. C	15. B	21. B	27. A
4. A	10. D	16. D	22. C	28. C
5. C	11. A	17. C	23. A	29. D
6. C	12. B	18. C	24. B	30. C

RATE YOURSELF!!!

for the 1997-98 4th GRADE CONTEST

Score	Rating
27-30	Another Einstein
24-26	Mathematical Wizard
21-23	School Champion
18-20	Grade Level Champion
15-17	Best In The Class
13-14	Excellent Student
11-12	Good Student
9-10	Average Student
0-8	Better Luck Next Time

ANSWERS, 1998-99 4th Grade Contest

1. B	7. C	13. B	19. A	25. D
2. D	8. C	14. A	20. B	26. A
3. B	9. C	15. C	21. D	27. B
4. D	10. B	16. C	22. D	28. A
5. B	11. A	17. A	23. A	29. D
6. A	12. C	18. B	24. C	30. B

RATE YOURSELF!!!

for the 1998-99 4th GRADE CONTEST

Score	Rating
28-30	Another Einstein
26-27	Mathematical Wizard
23-25	School Champion
21-22	Grade Level Champion
19-20	Best In The Class
16-18	Excellent Student
13-15	Good Student
10-12	Average Student
0-9	Better Luck Next Time

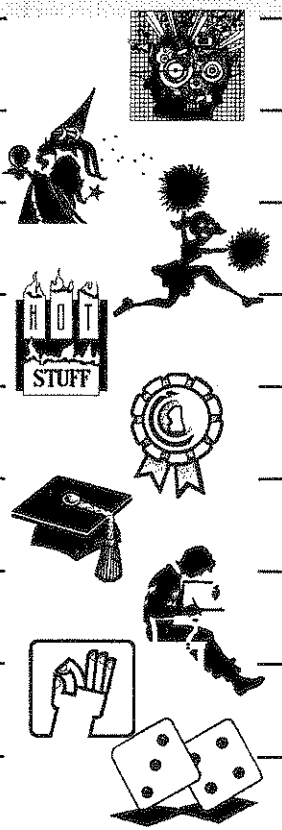
ANSWERS, 1999-00 4th Grade Contest

1. C	7. A	13. A	19. C	25. A
2. C	8. C	14. C	20. C	26. D
3. D	9. A	15. B	21. B	27. C
4. D	10. D	16. A	22. B	28. B
5. A	11. C	17. C	23. B	29. C
6. A	12. B	18. D	24. C	30. B

RATE YOURSELF!!!

for the 1999-00 4th GRADE CONTEST

Score	Rating
28-30	Another Einstein
26-27	Mathematical Wizard
23-25	School Champion
21-22	Grade Level Champion
18-20	Best In The Class
16-17	Excellent Student
13-15	Good Student
11-12	Average Student
0-10	Better Luck Next Time



ANSWERS, 2000-01 4th Grade Contest

1. C	7. B	13. B	19. B	25. D
2. D	8. B	14. C	20. C	26. C
3. B	9. A	15. D	21. A	27. B
4. D	10. A	16. C	22. D	28. D
5. C	11. A	17. A	23. A	29. B
6. C	12. C	18. D	24. D	30. B

RATE YOURSELF!!!

for the 2000-01 4th GRADE CONTEST

Score	Rating
28-30	Another Einstein
26-27	Mathematical Wizard
23-25	School Champion
21-22	Grade Level Champion
18-20	Best In The Class
16-17	Excellent Student
13-15	Good Student
10-12	Average Student
0-9	Better Luck Next Time