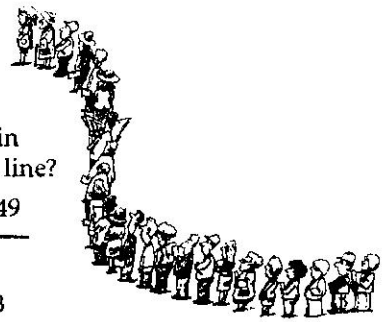
Answer Column

1. $30 + 31 + 32 = 29 + 30 + 31 + \underline{?}$
   A) 0 B) 1 C) 2 D) 3 — 1.

2. $(3 \times 4 \times 5 \times 6) \div 15 =$
   A) 8 B) 10 C) 12 D) 24 — 2.

3. Frank is the 5th person in a line of 44 people. How many people are behind Frank and in front of the last person on the line?
   A) 34 B) 38 C) 39 D) 49 — 3.



4. $7 + 14 + 21 = 7 \times \underline{?}$
   A) 6 B) 5 C) 4 D) 3 — 4.

5. 20 hundreds + 2 ones =
   A) 202 B) 222 C) 2002 D) 2020 — 5.

6. When each book is shared by 2 students, 40 students will need
   A) 20 books B) 40 books C) 60 books D) 80 books — 6.

7. If I climb 12 trees a day, I'll need $\underline{?}$ days to climb 300 trees.
   A) 12 B) 20 C) 25 D) 36 — 7.

8. $45 \div 3 = 3 \times \underline{?}$
   A) 20 B) 15 C) 10 D) 5 — 8.

9. Early Bird ate 36 worms, each either fat or thin. If Early Bird ate 3 times as many fat worms as thin, how many fat worms did Early Bird eat?
   A) 9 B) 24 C) 27 D) 30 — 9.

10. Of the following quotients, which is a multiple of 3?
    A) $120 \div 3$ B) $150 \div 3$ C) $180 \div 3$ D) $210 \div 3$ — 10.

11. What is the sum of two whole numbers whose product is 48 and whose difference is 8?
    A) 12 B) 16 C) 18 D) 24 — 11.

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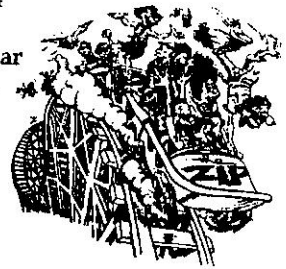
Answer Column

12. 1 entire day + 60 hours = 3 entire days + $\underline{?}$ hours
    A) 1 B) 12 C) 20 D) 24 — 12.

13. There were as many kids in the first car of the roller coaster as the largest possible sum of two different one-digit numbers. How many kids is that?
    A) 16 B) 17 C) 18 D) 19 — 13.



14. $1000 \times 10 \times 0 \times 10 \times 1000 =$
    A) $100\,000 \times 0$ B) 1000×1000 C) 100×1000 D) $10 \times 10\,000$ — 14.

15. (# of sides of a triangle) × (# of sides of an octagon) = (# of sides of a square) × (# of sides of a $\underline{?}$)
    A) triangle B) rectangle C) pentagon D) hexagon — 15.

16. What is the average of 1, 9, 11, 19, 21, 29, 31, and 39?
    A) 19 B) 20 C) 21 D) 40 — 16.

17. The value of my 12 quarters is less than the value of your
    A) 3 dollars B) 60 nickels C) 120 dimes D) 300 pennies — 17.

18. The polygon with the fewest number of sides has $\underline{?}$ sides.
    A) 1 B) 2 C) 3 D) 4 — 18.

19. What number is 99 less than the quotient $9999 \div 99$?
    A) 0 B) 2 C) 200 D) 9999 — 19.

20. What is the ones' digit of the product $79 \times 79 \times 79$?
    A) 9 B) 7 C) 3 D) 1 — 20.

21. I eat 18 dozen bowls of honey every 48 minutes. In 8 hours, I eat $\underline{?}$ bowls of honey.
    A) 108 B) 180 C) 216 D) 2160 — 21.

22. The sum of the digits of the greatest multiple of 7 that's less than 1000 is
    A) 7 B) 18 C) 21 D) 22 — 22.

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Answer Column

23. My piggy bank contained only nickels and dimes. If there were 2 more nickels than dimes, then the value of all of these coins could *not* be

A) 25¢ B) 40¢ C) 55¢ D) 75¢ — 23.

24. The 2002nd positive odd whole number is

A) 4001 B) 4003 C) 4004 D) 4005 — 24.

25. How many pairs of parallel sides does a square have?

A) 4 B) 3 C) 2 D) 1 — 25.

26. When our alphabet is written in alphabetical order, which letter has four times as many letters before it as after it?

A) E B) F C) T D) U — 26.

27. In every magic square, the sum of the numbers in each row, each column, and each major diagonal is called the *magic sum*. What number must I add to each number in the magic square shown at the right to increase its magic sum from 15 to 30?

4	9	2
3	5	7
8	1	6

A) 5 B) 7 C) 8 D) 15 — 27.

28. Pat writes one of the numbers 1, 2, 3, 4, or 5. Lee writes one of the numbers 6, 7, 8, 9, or 10. The two written numbers could have any of ? different possible products.

A) 5 B) 10 C) 21 D) 25 — 28.

29. The quotient 189 ÷ ? does *not* have a remainder of 3.

A) 15 B) 31 C) 62 D) 186 — 29.

30. Each of the 300 students in my school played miniature golf exactly 2 of the past 5 nights. The average number of these students playing each night was

A) 100 B) 120 C) 150 D) 600 — 30.

The end of the contest 5