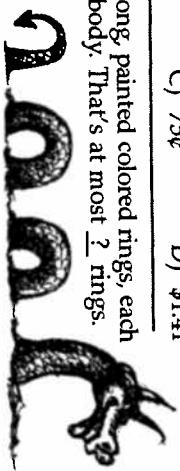


2002-2003 5TH GRADE CONTEST

Answer Column

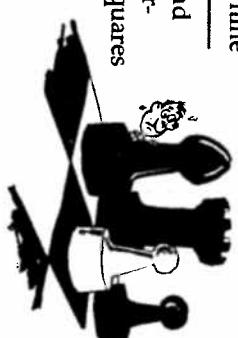
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| 1. The sum $4+5+6$ is <u>?</u> less than the sum $14+15+16$. | 1. |
| A) 7 B) 10 C) 20 D) 30 | |
| 2. The value of 1 quarter + 2 dimes + 3 nickels + 4 pennies is | 2. |
| A) 41¢ B) 64¢ C) 75¢ D) \$1.41 | |
| 3. My sea serpent, 39 m long, painted colored rings, each 3 m wide, around its body. That's at most <u>?</u> rings. | 3. |
| A) 3 B) 9 C) 13 D) 117 | |
| 4. $(2 \times 4 \times 6 \times 8) \div 32 =$ | 4. |
| A) 6 B) 8 C) 10 D) 12 | |
| 5. Dumbo eats 3 bags of peanuts every hour. In 24 hours, he eats | 5. |
| A) 8 bags B) 21 bags C) 27 bags D) 72 bags | |
| 6. The quotient $42 \div 2$ has the same value as the product | 6. |
| A) 3×6 B) 3×7 C) 3×14 D) 3×21 | |
| 7. I own 16 leashes, 2 for each dog I own. I own <u>?</u> dogs. | 7. |
| A) 8 B) 16 C) 17 D) 32 | |
| 8. 8 hundreds - 8 tens = | 8. |
| A) 820 B) 792 C) 720 D) 700 | |
| 9. Which of the following figures has a positive even number of sides? | 9. |
| A) hexagon B) circle C) pentagon D) triangle | |
| 10. How many buses that hold 50 students each are needed to carry 150 4th graders, 200 5th graders, and 250 6th graders to a circus? | 10. |
| A) 3 B) 7 C) 9 D) 12 | |
| 11. $(2 \times 4) + (3 \times 4) + (4 \times 4) + (5 \times 4) = 4 \times ?$ | 11. |
| A) 8 B) 14 C) 20 D) 120 | |
| 12. I last rode my motorized mini-bike on June 1. I first rode it 60 days before, on | 12. |
| A) March 31 B) April 1 C) April 2 D) April 3 | |
| 13. Of the following quotients, which is greater than 3? | 13. |
| A) $162 \div 54$ B) $174 \div 87$ C) $186 \div 63$ D) $136 \div 45$ | |



2002-2003 5TH GRADE CONTEST

Answer Column

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| 14. Which number is 1 less than the 10 thousands' digit of 987 654? | 14. |
| A) 4 B) 5 C) 7 D) 8 | |
| 15. The total value of my 5 heart sculptures is \$2. Their average value is | 15. |
| A) 4¢ B) 10¢ C) \$10 D) 40¢ | |
| 16. $3 \times 20 \times 100 = 30 \times ?$ | 16. |
| A) 2×100 B) 2×10 C) 20×100 D) 200×100 | |
| 17. If a circle's diameter is 6 m long, then its radius is <u>?</u> long. | 17. |
| A) 3 m B) 6 m C) 12 m D) 18 m | |
| 18. I get the same result when I multiply or divide 80 by | 18. |
| A) 0 B) 1 C) 2 D) 80 | |
| 19. What is the time 8 hours and 8 minutes before 7:07 P.M.? | 19. |
| A) 3:15 A.M. B) 5:15 A.M. C) 9:59 A.M. D) 10:59 A.M. | |
| 20. My class of 30 kids has 6 more boys than girls. It has <u>?</u> boys. | 20. |
| A) 12 B) 18 C) 20 D) 24 | |
| 21. Multiply 111 by 444. The product has <u>?</u> odd digit(s). | 21. |
| A) zero B) one C) three D) nine | |
| 22. A board has alternating dark and light squares, just like a checkerboard, except that there are 9 squares on each side, instead of 8. At most how many of the squares on this 9×9 board are dark? | 22. |
| A) 38 B) 39 C) 40 D) 41 | |
| 23. Ted turned 10 years old yesterday. If I average his ages, in years, on his 5 most recent birthdays, I'll get | 23. |
| A) 6 B) 7 C) 8 D) 9 | |



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| 2002-2003 5TH GRADE CONTEST | | Answer | Column |
|-----------------------------|---|--|--------|
| 24. | Multiply the first 100 positive whole numbers. The ones' digit is | A) 2 B) 4 C) 8 D) 0 | 24. |
| 25. | Each of the 66 gloves my mom owns is either black or blue. If twice as many of her gloves are black as are blue, how many pairs of blue gloves does she own? | A) 11 B) 22 C) 44 D) 132 | 25. |
| 26. | In a pile of 60 coins, half are nickels and one-third are dimes. The value of the nickels is $\frac{?}{?}$ than the value of the dimes. | A) 50¢ less B) 50¢ more C) 10¢ less D) 10¢ more | 26. |
| 27. | Al's plant had 10 flowers when he got it. For every flower that wilts, 2 new ones bloom. If 8 flowers have wilted since Al got this plant, how many flowers now bloom on Al's plant? | A) 16 B) 18 C) 20 D) 26 | 27. |
| 28. | Using the rule "Do not lift your pencil or fold the paper," it's NOT possible to draw a path connecting points X and Y without crossing the curve. Using the same rule, it IS possible to connect points X and Y times every 3 minutes. Together, we burp 12 minutes. Together, we burp every 10 minutes. You burp at a steady rate of 4 times every 3 minutes. | A) 7, 22 B) 11, 15 C) 13, 20 D) 19, 30 | 28. |
| 29. | I burp at a steady rate of 3 times every 10 minutes. You burp at a steady rate of 4 times every 12 minutes. Together, we burp 3 times every 3 minutes. | A) 7, 22 B) 11, 15 C) 13, 20 D) 19, 30 | 29. |
| 30. | A rectangular room is 20 m wide and 30 m long. On the room's floor, along its outer edge, I painted a white strip 2 m wide. What is the area of the strip? | A) 96 m ² B) 100 m ² C) 184 m ² D) 200 m ² | 30. |

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