

	Answers
1. Go backwards: Wednesday, Tuesday, Monday (the answer). A) Monday B) Tuesday C) Saturday D) Sunday	1. A
2. $2+12+22 = (1+1) + (11+1) + (21+1) = 1+11+21 + 3$ . A) 1 B) 2 C) 3 D) 4	2. C
3. My lunch costs me $10 \times 5¢ + 10 \times 10¢ = 50¢ + 100¢ = \$1.50$ . A) \$1.10 B) \$1.20 C) \$1.50 D) \$2	3. C
4. $(45 \div 5) + (36 \div 4) + (27 \div 3) = 9 + 9 + 9 = 9 \times 3$ . A) 1 B) 3 C) 6 D) 12	4. B
5. Since $27 \times 3 = 3 \times 27$ , the correct answer is choice A. A) 3 B) 9 C) 81 D) 243	5. A
6. $6+12+18+24+30 = 6+24 + 12+18 + 30 = 30+30+30 = 90 = 6 \times 15$ . A) 10 B) 12 C) 13 D) 15	6. D
7. $10 \times 10 = 100 = 1000 \div 10$ , so choice B is correct. A) $100 \div 10$ B) $1000 \div 10$ C) $100 \div 100$ D) $1000 \div 100$	7. B
8. The product of 0 and any number is 0, so the product is 0. A) 0 B) 100 C) 240 D) 12 100	8. A
9. The rear wheel costs \$4 more. Split the remaining $\$22 - \$4 = \$18$ cost equally. The front wheel costs half of $\$18 = \$9$ . A) 18 B) 13 C) 11 D) 9	9. D
10. Each time I go on both rides once, I need 5 tickets. To go on both rides 5 times, I will need $5 \times 5 = 25$ tickets. A) 5 B) 10 C) 25 D) 30	10. C
11. Since $54\ 320 + 54\ 321 = 108\ 641$ , the sum has 6 digits. A) 5 B) 6 C) 10 D) 11	11. B



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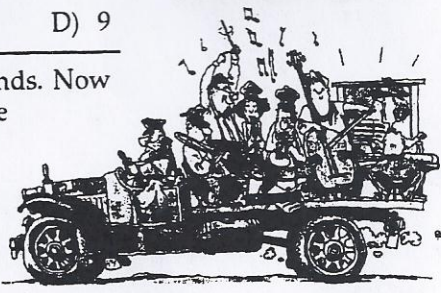
	Answers
12. $7 + (7-7) + (7-7) + 7 = 14$ . A) 0 B) 7 C) 14 D) 21	12. C
13. 300 minutes = 5 hours, so I'll travel $5 \times 30$ km = 150 km. A) 10 km B) 15 km C) 100 km D) 150 km	13. D
14. Juan is 20 years old now. In 20 years, his age will be 40. A) 10 B) 20 C) 30 D) 40	14. D
15. The fish weighed 120 kg, which is 3 times as much as I weigh. I weigh $(120 \text{ kg}) \div 3 = 40$ kg. A) 30 B) 40 C) 60 D) 360	15. B
16. $(3 \times 3) \times (3 \times 3) \times (3 \times 3) = 9 \times 9 \times 9$ . A) $9 \times 9$ B) $9 + 9$ C) $9 \times 9 \times 9$ D) $9 + 9 + 9$	16. C
17. By definition, the only positive factors of a <i>prime</i> number are itself and 1. A) prime B) odd C) even D) composite	17. A
18. Of 9, 70, 500, 3000, the largest is 3000. A) 9 ones B) 7 tens C) 5 hundreds D) 3 thousands	18. D
19. $(4 \times \text{length of one side}) \div (\text{length of one side}) = 4$ . A) 1 B) 2 C) 4 D) 16	19. C
20. Try the choices. If Baby is 3, twice Baby's age is 6. Then, 3 times Baby's age 1 hour ago = $3 \times 2 = 6$ , so they are equal. A) 2 B) 3 C) 4 D) 6	20. B
21. $9 \div 9 = 1$ , and 1 is <i>not</i> divisible by 9. A) $9 - 9$ B) $9 + 9$ C) $9 \times 9$ D) $9 \div 9$	21. D
22. There are 5 "twenties" with an even tens' digit: 21, 23, 25, 27, 29. There are also 5 "forties," 5 "sixties," and 5 "eighties," 20 in all. A) 20 B) 22 C) 23 D) 25	22. A



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2013 4<sup>th</sup>  
2003-2004 5<sup>th</sup> GRADE CONTEST SOLUTIONS

	Answers
<p>23. Divide 130 by 8. The quotient is 16 and the remainder is 2. My favorite number is 16. The sum of the digits of 16 is <math>1 + 6 = 7</math>. A) 6    B) 7    C) 8    D) 9</p>	23. B
<p>24. There are 5, 6, 7, or 8 friends. Now divide \$88.92 by each. The only division in which the remainder is 0 is <math>\\$88.92 \div 6 = \\$14.82</math>. A) \$17.78    B) \$14.82 C) \$12.70    D) \$11.12</p>	24. B
<p>25. Since 10 dimes = \$1, then 250 dimes is 25 times as much, or \$25. None of the other choices gives a whole number of dollars. A) dimes    B) nickels    C) pennies    D) quarters</p>	25. A
<p>26. If each of the numbers 2, 4, 8, and 16 is increased by 2, then there are 4 increases of 2, and the total increase is <math>4 \times 2 = 8</math>. A) 2    B) 4    C) 8    D) 16</p>	26. C
<p>27. The letter L is formed by 2 line segments. Of the letters shown below, C is curved, F is formed by 3 line segments, H by 3 line segments, and V (the answer) by 2 line segments. A) C    B) F    C) H    D) V</p>	27. D
<p>28. Ballet Bear can do 72 pirouettes in 12 minutes. This is <math>72 \div 12 = 6</math> pirouettes each minute. In 3 minutes, Ballet Bear can do <math>6 \times 3 = 18</math> pirouettes. A) 6    B) 12    C) 18    D) 24</p>	28. C
<p>29. Since 4 is already a multiple of 2, the l.c.m. of 1, 2, 3, 4, 5 is <math>3 \times 4 \times 5 = 60</math>. A) 720    B) 360    C) 120    D) 60</p>	29. D
<p>30. If the length of each side of a rectangle is a whole number, its perimeter = <math>2l + 2w</math> is divisible by 2, but not equal to 2. A) triangle    B) hexagon    C) pentagon    D) rectangle</p>	30. D



The end of the contest **5**

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