

### MATH 4 TEST 3

Name \_\_\_\_\_ Date \_\_\_\_\_

**Directions: Complete as many problems as you can in the 30 minutes allotted to you. No calculators!**

1. If there are 68 pieces of gum in the candy store and two people buy 13 pieces each, how many pieces are left?  
(A) 42                      (B) 53                      (C) 55                      (D) 81                      (E) 94
2. If you have ten dollars and seventy-eight cents and you buy a box of legos for six dollars and forty-three cents, how much money will you have left?  
(A) \$3.35                      (B) \$3.57                      (C) \$4.35                      (D) \$5.35                      (E) \$17.21
3. Which fraction has the least value?  
(A)  $\frac{12}{1}$                       (B)  $\frac{12}{2}$                       (C)  $\frac{12}{3}$                       (D)  $\frac{12}{4}$                       (E)  $\frac{12}{6}$
4. If an ice cream cone costs 60 cents and you have \$1.66, how many ice cream cones can you buy?  
(A) 1                      (B) 2                      (C) 3                      (D) 4                      (E) 5
5. If each side of a 4-sided desk is 30 inches long, what is the perimeter of the desk in inches?  
(A) 12                      (B) 60                      (C) 90                      (D) 120                      (E) 150
6. If three-sevenths of the gas tank was full, what fraction of the gas tank was empty?  
(A)  $\frac{2}{7}$                       (B)  $\frac{3}{7}$                       (C)  $\frac{4}{7}$                       (D)  $\frac{5}{7}$                       (E)  $\frac{6}{7}$
7.  $287 + 587 + 471 + 32 =$   
(A) 377                      (B) 1,267                      (C) 1,277                      (D) 1,367                      (E) 1,377
8.  $37 \times 4$  is how much less than  $37 \times 5$ ?  
(A) 35                      (B) 36                      (C) 37                      (D) 38                      (E) 39
9. How much less is  $22 + 28$  than  $22 + 29$ ?  
(A) 1                      (B) 2                      (C) 3                      (D) 4                      (E) 5
10. You are 4 feet 1 inch tall and your friend is 3 feet 9 inches tall. How many inches taller are you than your friend?  
(A) 2                      (B) 3                      (C) 4                      (D) 5                      (E) 6
11. George can ride his bike 5 miles in 2,099 seconds and Mike can ride his bike 5 miles in 2,120 seconds. How many seconds longer does it take Mike to ride the 5 miles than George?  
(A) 21                      (B) 31                      (C) 39                      (D) 121                      (E) 131
12. Which will produce the smallest quotient?  
(A)  $60 \div 2$                       (B)  $60 \div 3$                       (C)  $60 \div 6$                       (D)  $60 \div 10$                       (E)  $60 \div 12$

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13. You bought 8 marbles for thirty-five cents each and 5 marbles for twenty cents each. If you paid for it with four dollars, how much change did you get back?  
(A) 20 cents      (B) \$1.20      (C) \$1.40      (D) \$1.60      (E) \$3.80
14. If a 20 ounce bottle of coke costs 75 cents, how much would 4 bottles of coke cost?  
(A) 80 cents      (B) 200 cents      (C) 280 cents      (D) 300 cents      (E) 320 cents
15. How much greater is  $3,458 + 3,579 + 3,660$  than  $3,456 + 3,578 + 3,656$  ?  
(A) 5      (B) 6      (C) 7      (D) 8      (E) 9
16. Twenty-three thousand ninety-eight can be written as which of the following?  
(A) 230,980      (B) 23,098      (C) 230,098      (D) 23,980      (E) 23,908
17. Which *quotient* equals 7?  
(A)  $16 - 9$       (B)  $54 \div 8$       (C)  $36 \div 5$       (D)  $27 \div 4$       (E)  $63 \div 9$
18. For 873,165,986,543, which digit is in the millions place?  
(A) 1      (B) 3      (C) 5      (D) 6      (E) 8
19. Which of the following numbers is not an even number?  
(A) 3,572      (B) 9,754      (C) 777,558      (D) 60,482      (E) 84,681
20. What is the product of the digit that is in the hundreds place and the digit that is in the hundredth's place for 7,895.4371 ?  
(A) 24      (B) 27      (C) 54      (D) 56      (E) 63
21. If you have \$11.33 and you buy a pack of baseball cards for \$5.99, how much money will you have left?  
(A) \$5.32      (B) \$5.34      (C) \$5.44      (D) \$6.32      (E) \$6.34
22. Given  $8 - 5 = 3$  and  $12 \div 6 = 2$ , find the sum of the dividend and the subtrahend.  
(A) 11      (B) 14      (C) 15      (D) 17      (E) 20
23. Adam is 3 years older than Ashley, and Michelle is 8 years older than Ashley. How many years older is Michelle than Adam?  
(A) 5      (B) 6      (C) 7      (D) 11      (E) 12
24. Which has the smallest quotient?  
(A)  $60 \div (12 \div 3)$       (B)  $60 \div (15 \div 3)$       (C)  $60 \div (12 \div 4)$       (D)  $60 \div (12 \div 6)$       (E)  $60 \div (18 \div 3)$
25. If it takes 10 scoops of sand to fill one bucket, how many scoops will it take to fill  $3\frac{1}{2}$  buckets?  
(A) 30      (B) 32      (C) 34      (D) 35      (E) 36

# MATH 4 TEST 3 ANSWERS

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|-------|-------|-------|-------|-------|
| 1. A  | 2. C  | 3. E  | 4. B  | 5. D  |
| 6. C  | 7. E  | 8. C  | 9. A  | 10. C |
| 11. A | 12. E | 13. A | 14. D | 15. C |
| 16. B | 17. E | 18. C | 19. E | 20. A |
| 21. B | 22. D | 23. A | 24. E | 25. D |

1.  $68 - 26 = 42$
2.  $10.78 - 6.43 = 4.35$
3.  $\frac{12}{6}$
4.  $1.66 - .60 = 1.06$  and  $1.06 - .60 = .46$ . Therefore 2.
5.  $30 \times 4 = 120$
6.  $\frac{4}{7}$
7.  $287 + 587 + 471 + 32 = 1,377$
8. 37
9.  $29 - 28 = 1$
10. 4 inches
11.  $2120 - 2099 = 21$
12. Since the dividends are the same, the largest dividend will have the smallest quotient. Therefore E.
13.  $8 \times 35 + 5 \times 20 = 280 + 100 = 380$  and  $400 - 380 = 20$
14.  $75 \times 4 = 300$
15. The first addend of  $3,458 + 3,579 + 3,660$  is 2 more than the first addend of  $3,456 + 3,578 + 3,656$ . The second addend is 1 more and the third addend is 4 more. Therefore the first sum is larger by  $2 + 1 + 4 = 7$ .
16. 23,098
17.  $63 \div 9 = 7$
18. 5
19. 84,681
20.  $8 \times 3 = 24$
21.  $11.33 - 5.99 = 11.33 - 6.00 + .01 = 5.34$
22.  $12 + 5 = 17$
23.  $8 - 3 = 5$
24. Since the dividends are the same, the smallest quotient will have the largest divisor, which will be  $18 \div 3$ .
25.  $3 \times 10 + \frac{1}{2} \times 10 = 30 + 5 = 35$