

2013 BCCTM 5<sup>th</sup> Grade Individual Test

1. How many seconds are in 1 day, 4 hours, and 3 minutes?  
a) 1,683                      b) 100,980                      c) 86,820                      d) 16,020
  
2. Professor Frederick Fossilface loves to discover new dinosaurs. He has 5 jars full of dinosaur bones in his lab. Jar A contains 83 bones. Jar B has 79. Jar C has 94 bones. Jar D has 85. And Jar E has 90 bones. The professor clears out 3 jars to build a new dinosaur with 262 bones. Which jars did he use to build the new dinosaur?  
a) Jar A and Jar B                      c) Jar A, Jar B, and Jar E  
b) Jar A, Jar B, Jar D, and Jar E                      d) Jar A, Jar C, and Jar D
  
3. **This question has been thrown out and will not count towards the individual test results.**
  
4. When  $24.9\underline{\hspace{0.5cm}}8$  is rounded to the nearest hundredth, the result is 24.97. What is the missing digit?  
a) 5                      b) 6                      c) 7                      d) 8
  
5. Southside Elementary School wants to earn \$3,880 to go on a field trip to a museum. They have a spaghetti dinner for two nights in a row in the school cafeteria and expect to sell out on both nights. What whole number of dollars should they charge for each spaghetti dinner in order to cover their expenses, if the cafeteria holds 350 people?  
a) \$5                      b) \$6                      c) \$11                      d) \$12
  
6. Stacy ran  $5\frac{1}{4}$  miles. Harvey ran  $\frac{1}{2}$  mile farther than Stacy. Ben ran  $\frac{1}{8}$  of a mile less than Harvey. How far did Ben run?  
a)  $5\frac{1}{2}$                       b)  $5\frac{3}{4}$                       c)  $5\frac{5}{8}$                       d)  $5\frac{1}{4}$
  
7. Write an equation for the sentence: Twice a number (y) increased by 2 is the same as 14 decreased by the number.  
a)  $2 + y + 2 = y - 14$     b)  $2y + 2 = 14 - y$     c)  $y(y) + 2 = 14 - y$     d)  $4(2) + 2 = 14 - y$

8. Ms. Brown's class went on a nature walk. They left the school and walked 1 mile south, 2 miles west, 3.5 miles north, and then 2 miles east. What direction and how many miles does she have to walk to get back to school?
- a) 5.5 miles south    b) 1.5 miles north    c) 2.5 miles east    d) 2.5 miles south
9. **This question has been thrown out and will not count towards the individual test results.**
10. What is the remainder in the following:  $(121,121,121,006) \div 11$
- a) 6                      b) 5                      c) 4                      d) 3
11. How many 2 digit numbers are divisible by 6 and 9?
- a) 2                      b) 3                      c) 4                      d) 5
12. There are 75 students in fifth grade. Of those students 30 play football and 42 play soccer. Twelve students play both sports. How many students are on neither team?
- a) 3                      b) 60                      c) 15                      d) 27
13. What is the area of a square that has a perimeter of 60 square centimeters?
- a) 900 square centimeters                      c) 400 square centimeters  
b) 100 square centimeters                      d) 225 square centimeters
14. Tasha uses 2 yards of ribbon to wrap 14 gifts for friends. How many yards of ribbon will she need to wrap 35 gifts?
- a) 4 yards                      b) 5 yards                      c) 6 yards                      d) 8 yards
15. Jeremy has 8 more than twice as many marbles as Jason. If Jeremy has 20 marbles, how many does Jason have?
- a) 6                      b) 48                      c) 28                      d) 36
16. If 3 splishes = 2 splashes, then 18 splashes = \_\_\_\_ splishes
- a) 12                      b) 27                      c) 36                      d) 48

17. I was wandering around the house at 12 hours and 12 minutes before noon. What time was I wandering around the house?

- a) 11:48 am                      b) 11:48 pm                      c) 12:12 am                      d) 12:12 pm

18. If an ape ate 1 banana every 4 hours, how many bananas did it eat in 5 days?

- a) 20                                  b) 24                                  c) 30                                  d) 120

19. How many rectangles are in this figure?


- a) 24                                  b) 36                                  c) 48                                  d) 60

20. Four painters paint 4 houses in 4 days. How long will it take 2 painters to paint two houses?

- a) 1 day                              b) 2 days                              c) 4 days                              d) 8 days

21. Evaluate  $6 \div 3 \times 2 + 4 \times 8 \div 4$

- a) 64                                  b) 12                                  c) 10                                  d) 8

22. The sum of three consecutive integers is 72. What is the greatest number?

- a) 22                                  b) 23                                  c) 24                                  d) 25

23. The maximum capacity of a gumball machine is 956 gumballs. Which inequality shows how many gumballs ( $g$ ) the machine can hold?

- a)  $w < 956$                       b)  $w \leq 956$                       c)  $w > 956$                       d)  $w \geq 956$

24. Peter paid for 4 pizzas with a twenty-dollar bill. If he received \$3.60 change, how much did one pizza cost?

- a) \$4.10                              b) \$5.00                              c) \$6.25                              d) \$16.40

25. Marisol ran 2,450 meters. How many Kilometers did she run?
- a) 2.45                      b) 24.5                      c) 245                      d) .245
26. Look at the number pattern below:  
5, 9, 13, 17
- Which number sentence can be used to find  $p$ , the eighth number in the pattern?
- a.  $p = (4 \times 8) + 1$   
b.  $p = 4 \times 8$   
c.  $p = 11 \times 3$   
d.  $p = 29 + 4$
27. Students auditioning for a singing contest are given a list of 7 rock songs and 5 country songs. If each student must pick 1 rock song and 1 country song, how many different song combinations can each student pick?
- a) 2                      b) 12                      c) 35                      d) 75
28. Simplify the expression  $7^2 - 9 + 1^3$
- a) 37                      b) 39                      c) 41                      d) 43
29. Barry drove 56 miles to visit a friend. She drove 42 miles before stopping for gas. What percent of the drive did Barry complete before stopping for gas?
- a) 75%                      b) 25%                      c) 42%                      d) 14%
30. If you begin with a one digit integer, multiply by 3, add 8, divide by 2 and subtract 6, you will get the integer back. Find the number.
- a) 2                      b) 4                      c) 5                      d) 8

