Cullman Middle School Math Tournament 2013 6th Grade Test

1. Find the sum of the G A. 51	CF of 12 and 16 and B. 94	the LCM of 6 and 1 C. 120	5. D. 34	
2. Simplify. 4 – 3(12) + A 9	15 ÷ (- 3) B. 9	C 37	D. – 27	
 A set of three whole r of the largest number A. 38 			13. What is the sum D. 44	
4. Evaluate 2 ¹⁰ + 3 ⁵ - 4 ⁰ A. 31	B. 34	C. 1263	D. 1266	
5. What is the 60 th letter in A. N	n this series of letters B. O	s? Z, Y, Y, X, X, X, W C. P	/, W, W, W, D. Q	
 What is the area of a r a width of 12 meters. A. 48 m² 		n is two and one-third C. 100 m ²	l times longer than D. 336 m²	
 Kacie goes to American Eagle carrying \$53.40. She buys a \$12.30 shirt and a \$25.10 skirt. She gives half of what she has left to Charity. How much does Kacie have left? 				
A. \$5.108. Katie is 3 years older to the second second	B. \$8.00	C. \$4.00	D. \$2.30	
brother's age. If her fa			D. 19	
9. Add these Roman Nur A. LXXXI	merals. XXIII + XL + B. XCVI	XVIII C. XXCI	D. XLXLI	
 10. Caroline spent 7/10 of an hour talking on the phone, then spent ½ of an hour reading Math Mania magazine. If she stopped reading at 5:38 pm, at what time did she start talking on the phone? A 4:26 pm 				

A. 4:26 pm B. 4:50 pm C. 5:10 pm D. 4:08 pm

11. Collin paid for a purch one nickel, and three p A. \$8.77				
12. Simplify5(-7) + 5(-9 A. 15	9) – (- 5) B75	C85	D15	
13. Evaluate 3.14k + 3.1 A. 989.1	l4 if k = 3.14 B. 98.91	C.129.996	D. 12.9996	
14. Write the sum in stan A. 178,600	dard notation. 8.06 B. 17,860,000		D. 9,040	
15. If 7 [×] = 49 and 2 ^y = 32, A. 5	find x + y. B. 6	C. 7	D. 8	
16. If Ann Carol drinks 8 (fluid ounces of water, how A. 1			ge glass holds 12 D. 3	
17. Cole wants to have a tests. What score must he A. 96			1 on his first two D. 177	
18. Given the sequence 7 A. 323	I, 4, 2, 7, 5, 12, 10, A B. 36	A, B, …, find the prod C. 263	luct of A and B. D. 2	
 An isosceles trapezoi perimeter of the trape A. 10 in 		and 14 in with a heigh C. 32 in.	nt of 4 in. What is the D. 44 in.	
20. Find the product of th A. 3 1/3	e reciprocals of 2 ½, B. 8/15	3 and ¼. C. 1 7/8	D. 4 4/5	
21. By how much does $4^2 + 4^3 + 5^2$ exceed the product of 4, 5 and 5?				
A. 55	B. 91	C. 5	D. 205	
22. Find the surface area A. 8π	of a hemisphere wit B. 12π	h diameter 4 in. C. 16π	D. 48π	

- 23. Lydia gave ¼ of her Great American Cookie to Brooke, one-third to Anna, 1/6 to Charity and 1/9 to Callie? How much of the cookie did she have left?
 A. 31/36
 B. 1/9
 C. 4/21
 D. 5/36
- 24. Speedy runs 3 ½ miles each day. How many miles did he run in 2012? A. 1,260 miles B. 1,281 miles C. 1227 ½ miles D. 105 miles
- 25. At the Bearcat Bus Stop, the bus let off 5 passengers and picked up 7 passengers. At the next stop, the bus let off 3 and picked up 5. At the last stop, the bus picked up 12 passengers and let off 6. If there were 22 passengers left on the bus, how many were on the bus before the Bearcat Bus Stop?
 A. 30
 B. 34
 C. 25
 D. 12

Tiebreaker 1: Add these Roman Numerals and write as an Arabic Numeral.

VII + XXI + XLI + XIV

Tiebreaker 2: Multiply $\frac{1}{2} \times 1 \frac{1}{4} \times 2/3 \times 1 \frac{1}{2} \times \frac{3}{4} \times 2 \times 1 \frac{1}{3} \times \frac{4}{5}$

Tiebreaker 3: Simplify. <u>12! + 13!</u> 12!

Turn in the pink Scantron answer sheet to the test monitor.

You may keep the test.

Thanks for coming to our tournament today. Hope you have a great day!