

Montford/Cobb 6th Grade Mini Mu Part I

Time: 50 minutes

Directions: Each of the 25 multiple-choice questions is followed by five possible answer choices. Choices A through D will provide answers, while Choice E is for none of these answers. Scoring will be as follows: 5 points for a correct answer, 0 for a wrong answer, and 1 for a blank answer (for a maximum possible score of 150). **Calculators are not permitted.**

1. The tallest ride at Disney World is Summit Plummet at 120 feet. How many inches high is this ride?

	A. 10	B.720	C. 1440	D. 1560	E. NOTA			
2.	2. Students at Cobb Middle School conducted a survey of the students at their school. They found t students preferred The Lion King over Aladdin and 350 students preferred Aladdin over the Lion What is the ratio of students that preferred Aladdin to the students that preferred The Lion King?							
	A.2:3	B. 70:99	C. 3:2	D. 99:70	E. NOTA			
3.	Which property is dis	splayed in the equation	? 5 + (6 + 2) = (6 +	- 2) + 5				
	A. Associative	B. Dis	stributive	C. Identity				
	D. Commutative E. NOTA							
4.	Put the following nur	nbers in order from gro	eatest to least. $\frac{1}{9}$, 11%,	0.1, 1.11				
	A. $1.11, \frac{1}{9}, 11\%, 0.1$	B. 119	$\frac{1}{9}$, 1.11, 0.1, $\frac{1}{9}$,	C. 0.1, 11%,	, 1.11			
	D. 1.11, 11%, $0.1, \frac{1}{9}$ E. NOTA							
5.	Tiffany is making cookies. The recipe calls for $1\frac{3}{4}$ cups of sugar and $2\frac{1}{3}$ cups of flour. If she wants to make $1\frac{1}{2}$ batches of cookies, how much flour does she need?							
	A. $2\frac{3}{4}$ c	B. $2\frac{5}{8}$ c	C. $3\frac{1}{3}$ c	D. $3\frac{1}{2}$ c	E. NOTA			
6.	If Mr. Blessing drives at an average of 70 mph and arrives at Disney World in approximately 3 hours and 40 minutes, how far is Disney from Mr. Blessing's original location in Tallahassee?							
	A. 227.5 miles	B. 238.0 miles	C. 250.0 miles	D. 256.7 miles	E. NOTA			
7.	Evaluate the following expression. $\frac{3}{4} + \left(-\frac{4}{7}\right) - \left(-\frac{1}{4}\right) + 2\frac{1}{2}$							
	A. $2\frac{13}{14}$	$B.3\frac{4}{7}$	C. $2\frac{1}{9}$	D. $2\frac{3}{7}$ E. NO	TA			
8.	You spin a spinner with A, B, C, and D. Each lettered area is equal in size. What is the probability of getting an A or D?							
	A. $\frac{1}{4}$	B. $\frac{1}{2}$	C. 2	D. 4 E. No	OTA			

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9.	Ms. Taylor's classroom is 16 feet in width and 14 feet in length. What is the area of her classroom square inches?					classroom in		
	A. 224 in ²	B. 720 in ²	C. 2688 in ²	D. 32256	in ²	E. NOTA		
10.	In order to ride Space Mountain at Disney World, you must be at least forty-four inches tall. Write this as an inequality.							
	A. $h > 44 in$	B. $h < 44 in$	C. $h \ge 44 in$	$D. h \le 4$	14 in	E. NOTA		
11.	11. Walt Disney World has approximately 130 rides and attractions combined. If 72 are rides, what is the ratio of rides to attractions?							
	A. 36:65	B. 36:29	C. 65:29	D. 130:58	3	E. NOTA		
12.	2. Andrew wants to buy a new TV. The original price of the TV is \$549. It is currently on sale for 25% off. When he gets to the register he uses a coupon for an addition 20% off. If 7% tax is added, what is the cost of the total TV?							
	A. \$263.52	B. \$323.09	C. \$340.38	D. \$352.4	46	E. NOTA		
13.	3. Jasmine is going on a field trip to Magic Kingdom. Her mom gives her \$25 to spend on a souvenir and her teacher gives her \$10 for lunch. If Jasmine now has \$83, how much of her own money did she bring?							
	A. \$48	B. \$58	C. \$73	D. \$118		E. NOTA		
14.	14. Evaluate the following expression. $6(5(3+2)-7)+6(3)-1^2$							
	A. 17	B. 125	C. 272	D. 989		E. NOTA		
15.	5. Tony rode six rides at Disney. The length of the rides varied. The rides lasted, 2 minutes and 10 seconds, 2 minutes and 3 seconds, 1 minute and 42 seconds, 1 minute and 58 seconds, 1 minute and 52 seconds, and 3 minutes and 35 seconds. What was the mean time of the rides Tony rode? Round to the nearest second.							
	A. 1 minute and 59 se	econds B. 2	minutes and 1 second	C	. 2 minutes a	and 4 seconds		
	D. 2 minutes a		and 13 seconds		1			
16.	Evaluate the following	ag expression if $a = 3$	$a, b = 4, \text{ and } c = -1. \text{ ac} + \frac{1}{2}$	- ba - c				
	A. 8	B. 9	C. 10	D. 14		E. NOTA		

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attractions, in how many did he not participate?

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17. Disney has approximately 130 rides and attractions. If Rusty participated in $\frac{3}{5}$ of the rides and

	A. 2	B. 48	C. 52	D. 78	E. NOTA	
18.	8. What is the sum of the next two terms in the sequence? $1\frac{3}{5}$, $2\frac{7}{10}$, $3\frac{4}{5}$, $4\frac{9}{10}$, 6					
	A. $7\frac{1}{10}$	B. $8\frac{1}{5}$	C. $15\frac{2}{15}$	D. $15\frac{3}{5}$	E. NOTA	
19.	Twelve students from Montford went to Disney this summer. The students rode the following number of rides: 60, 21, 5, 43, 18, 25, 31, 58, 44, 33, 58, and 35. What is the median number of rides these twelve Montford students rode?					
	A. 28 rides	B. 31 rides	C. 34 rides	D. 36 rides	E. NOTA	
20.	. Simplify the expressi	on. $\sqrt{49} + \sqrt{144 + 25}$;			
	A. 15	B. 20	C. 24	D. 26	E. NOTA	
21.	1. The formula for the surface area of a cylinder is $A = 2\pi rh + 2\pi r^2$. A cylindrical can of soup has a radius of 3 inches and a height of 6 inches. If the lid is removed, what is the surface area of the can? Use 3.14 for π .					
	A. 105.82 in ²	B. 113	3.04 in ²	C. 141.3 in ²		
	D.	169.56 in ²	E. NO	DTA		
22.	2. Twenty three of the 130 rides and attractions at Disney World are located in Disney's Hollywood Studios. What percent of rides and attractions at Disney World are located in Disney's Hollywood Studios? Round to the nearest whole percent.					
	A.15%	B. 17%	C. 18%	D. 21%	E. NOTA	
23.	3. Lynn went to Magic Kingdom at Disney World on Saturday. She spent 5 minutes parking, 3 hours and 15 minutes on rides, 35 minutes eating lunch, and 2 hours and 20 minutes watching shows. If she left the park at 5:00pm, what time did she arrive?					
	A. 10:35 am	B. 10:40 am	C. 10:45 am	D. 11:15am	E. NOTA	
24.	The two parallel side inches and 30 inches	s of a trapezoid are kno	own as the bases. If a	D. 11:15am trapezoid has bases me ase, what is the area of	asuring 14	
24.	The two parallel side	s of a trapezoid are kno	own as the bases. If a	trapezoid has bases me	asuring 14	
	The two parallel side inches and 30 inches square inches? A. 154 in ²	s of a trapezoid are known and the height is $\frac{1}{2}$ the	own as the bases. If a length of the longer b C. 330 in ²	trapezoid has bases me ase, what is the area of a D. 660 in ²	asuring 14 the trapezoid in	
	The two parallel side inches and 30 inches square inches? A. 154 in ²	s of a trapezoid are known and the height is $\frac{1}{2}$ the B. 225 in ²	own as the bases. If a length of the longer b C. 330 in ²	trapezoid has bases me ase, what is the area of a D. 660 in ²	asuring 14 the trapezoid in	



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Time: 50 minutes

Directions: Each of the 25 multiple-choice questions is followed by five possible answer choices. Choices A through D will provide answers, while Choice E is for none of these answers. Scoring will be as follows: 5 points for a correct answer, 0 for a wrong answer, and 1 for a blank answer (for a maximum possible score of 150). **Calculators are not permitted.**

26.	26. Deborah goes to Disney with her friend Jasmine. The tickets cost \$99.00 each. Jasmine buys a T-shirt for \$15.99 and Deborah buys a hat for \$12.95. At lunch the girls spent a total of \$36.76. How much will Jasmine spend if they split the total cost of the trip?						
	A. \$82.35	B. \$131.85	C. \$164.20	D. \$263.70	E. NOTA		
27.	Solve the following e	equation for x. $3x + 8 =$	= 44				
	A. $x = 4$	B. $x = 6$	C. $x = 12$	D. $x = 18$	E. NOTA		
28.	8. Lynn is planning a trip to Disney for her family of four. She estimates the cost to be \$237.00 per person If she saves \$125.00 each month, how many months will it take her to save enough money for her family to go to Disney?						
	A. 2 months	B. 7 months	C. 8 months	D. 11 months	E. NOTA		
29.	Which of the following	ng statements are false					
	A. All squares are re	ectangles. B. All	rectangles are rhombi.	C. All rhombi are	parallelograms.		
D. All rectangles are parallelograms. E. NOTA							
30.	30. A triangle has sides with lengths 3 in, 4 in, and 5 in. If the longest side of a similar triangle is 30 in and the shortest side is 18 in, what is the length of the remaining side?						
	A. 20 in	B. 22 in	C. 24 in	D. 26 in	E. NOTA		
31.	31. Bailey's class is going on a field trip to Epcot. There are 50 students attending. Every student must purchase a ticket, lunch, and a t-shirt. Each ticket cost \$76.00, a T-shirt costs \$10.00 and lunch costs \$15.00. The total for the bus is \$1750, which is split between the students. What is the cost per student for the field trip?						
	A. \$37.02	B. \$111.50	C. \$136.00	D. 172.35	E. NOTA		
32.	32. Simplify the following expression. $(\frac{1}{2})^2 + 5\frac{3}{4} - (-\frac{1}{2})$						
	$A.5\frac{1}{4}$	B. $5\frac{1}{2}$	C. $6\frac{1}{2}$	D. $7\frac{1}{4}$	E. NOTA		
33. Paige and Wendy arrived at the gym. While at the gym they spent 10 minutes warming up, 27 minutes on the treadmill, 18 minutes with weighs and $\frac{3}{4}$ of an hour in a dance class. Before leaving the gym at 7:21am, they stretched for 6 minutes. What time did Paige and Wendy arrive at the gym?							
	A. 5:35 am	B. 5:41 am	C. 6:05 am	D. 9:07 am	E. NOTA		
34.	34. Place the correct symbol in the \circ to show the relationship between the numbers. $\frac{3}{7} \circ 0.42$						
	A. <	B. >	C. <	D. =	E. NOTA		

35.	35. A number is divided by 8. The result is subtracted from 24. Which of the following expressions correctly represents these statements?						
	A. $24 - \frac{8}{n}$	B. $(n \div 8) - 24$	C. $\frac{n}{8}$ – 24	D. $24 - \frac{n}{8}$	E. NOTA		
36.	A right triangle has sides with lengths of 3.2 feet, 6.1 feet, and 10.4 feet. What is the area of the triangle?						
	A. 9.76 ft^2	B. 16.64 ft ²	C. 19.5 ft ²	D. 31.72 ft ²	E. NOTA		
37.	Solve for x. $\frac{17}{18} = \frac{x}{108}$						
	A. 102	B. 105	C. 107	D. 108	E. NOTA		
38.	8. James rides the bumper cars five times. He gets bumped, 6 times on the first round, 18 times on the second round, 25 times on the third round, 17 times on the fourth round, and 27 on the fifth round times on each ride. Which measure of central tendency is the lowest?						
	A. Mean	B. Median	C. Mode	D. Range	E. NOTA		
39.	39. Hayden is one year old and 36 inches tall. Her dad, Tony, is 6 ft. If Hayden's shadow is 12 inches long how many inches is Tony's shadow?						
	A. 2 in	B. 16 in	C. 24 in	D. 28 in	E. NOTA		
40.	0. Maddie, Bailey, and Avery are having a sleepover. Maddie's mom ordered two large pizza with 8 slices each. Maddie ate $\frac{3}{4}$ of a pizza, Bailey ate $\frac{1}{2}$ of a pizza, and Avery ate 2 slices of pizza. How many slices are left over?						
	A. 3 slices	B. 4 slices	C. 6 slices	D. 10 slices	E. NOTA		
41.	1. You spin a spinner with A, B, C, and D and roll a 6 sided number cube. What is the probability of getting a vowel and an even number?						
	A. $\frac{1}{2}$	B. $\frac{1}{4}$	$C.\frac{1}{6}$	$D.\frac{1}{8}$	E. NOTA		
42.	2. Montford Middle School is about 15 miles away from Cobb Middle School. Looking at a map, Brett notices that 2.5 miles is represented by 1 inch. How many inches on the map will Montford be from Cobb?						
	A. 5 in	B. 6 in	C. 7 in	D. 9 in	E. NOTA		
43.	Solve for x. $\frac{x+3}{4} = 1$						
	A. $x = 1$	B. $x = 3$	C. $x = 4$	D. $x = 7$	E. NOTA		

44. Quintavious is eating left over pizza. If he starts with $\frac{3}{4}$ of a pizza and eats $\frac{1}{2}$ of it, what fraction of the pizza is left?

B. $\frac{1}{4}$

 $C.\frac{4}{6}$

D. $\frac{4}{8}$

E. NOTA

45. Which of the following numbers is not rational?

Α. π

B. $-3 \frac{3}{78956}$ C. $\frac{1}{2}$

D. 3.821457956

E. NOTA

46. Solve for x. $\frac{21}{16} \div \frac{3}{8} = x$

A. $.\frac{5}{8}$

B. $\frac{7}{8}$

C. $2\frac{1}{2}$

D. $3\frac{1}{2}$

E. NOTA

47. Evaluate the following expression. 341^o

A. 0

B. 1

C. 143

D. 341

E. NOTA

48. Determine which property is displayed in the following equation.

$$3(x+1) = 4(x-2) \rightarrow 3x + 3 = 4x - 8$$

A. Associative

B. Distributive

C. Identity

D. Commutative

E. NOTA

49. Pinocchio's nose grows every time he tells a lie. If his nose is 2 cm and grows 0.82 cm per lie, how long is it after 15 lies?

A. 12.3 cm

B. 14.3 cm

C. 16.6 cm

D. 18.3 cm

E. NOTA

50. Find the next number in the sequence. 1, 1, 2, 3, 5, 8, 13....

A. 13

B. 18

C. 21

D. 24

E. NOTA