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Team Multiple Choice – Answer Sheet

Final Total

School Name: Team ID:

Final Total:

#	Answer	Score 1	Score 2
1			
2			
3			
4			
5			
6			
7			
8			
Sum:			
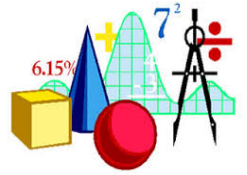
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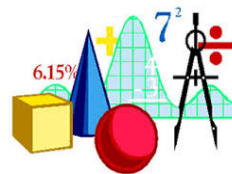
Team Multiple Choice - Answer Key

#	Answer
1	A
2	C
3	A
4	B
5	B
6	D
7	A
8	D
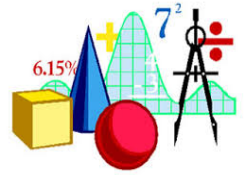
Team Multiple Choice - Questions

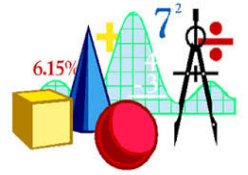|	
1	3 Adelie penguins, 5 Emperor penguins, and 6 Chinstrap penguins all sit on an iceberg together. How many total penguins are there on the iceberg? A) 14 B) 12 C)13 D) 6 E) Answer not given
2	Iron Penguin, using his suit, can fly for 24 hours at 200 miles per hour. If he was instead flying at 300 miles per hour, how long, in hours, would it take him to fly the same distance? A) 18 B) 160 C) 16 D) 20 E) Answer not given
3	Percival the Penguin has 40 quarters, 2 dimes, 3 nickels, and 4 pennies. In dollars, how much money does he have? A) $10.39 B) $10.29 C) $1000.39 D) $10.44 E) Answer not given
4	How many ways can you arrange the letters in the word PENGUIN? A)1260 B) 2520 C)720 D) 5040 E) Answer not given
5	Penelope the Penguin is at the bottom of a 2-meter-tall ice tower. If Penelope can climb at a rate of 5 centimeters per minute, how many **seconds** will it take her to climb to the top of the tower? A) 1200 B) 2400 C) 40 D) 24 E) Answer not given
6	I need to read 86 pages in my penguin book. I can read 2 pages per minute. How many hours do I need to read? Answer as a REDUCED COMMON fraction. A) 43/100 B) 43 C) 86/120 D) 43/60 E) Answer not given

7	Harry eats an average of 3.5 stinky fish **twice** per week. Grace eats an average of 7.6 stinky fish every **two** weeks. Who eats more fish in 20 weeks? A)Harry B) Grace C)Not enough information D) They eat the same amount
8	There is a 60% chance it will snow in Antarctica on Tuesday. If it snows there on Tuesday, there is a 20% chance it will snow there on Wednesday. If it doesn't snow in Antarctica on Tuesday, there is a 10% chance it will snow on Wednesday. What is the overall probability it will snow in Antarctica there on Wednesday? Express your answer as a percentage. A) 90% B) 14% C) 28% D) 16% E) Answer not given

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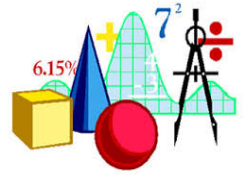
Team Multiple Choice - Solutions

#	Answer	Solution
1	14 [penguins]	3+5+6=14
2	16[hours]	24*200=4800 4800/300=16
3	[$]10.39	40 quarters = 40*0.25 = $10 2 dimes = 2*0.10 = $0.20 3 nickels = 3*0.05 = $0.15 4 pennies = 4*0.01 = $0.04 Total = $10.39
4	2520	There are 7 letters in the word PENGUIN, but two of them are the same(2 N's), so the number of arrangements is 7!/2! = 5040/2 = 2520.
5	2400	2 meters = 200 cm 200/5 = 40 minutes; 40 min*60 sec/min = 2400 sec
6	43/60	(86/2)/60 43/60
7	Harry	3.5(2)(20)= 140 7.6(10)=76
8	16%	(0.6)(0.2) + (0.4)(0.1) = 0.16, or 16%