

Division N

		Answers	Score
1.	What is the sum of all prime numbers between 1 and 10?	17	
2.	Jillian sleeps 5 hours a night. Caitlin sleeps 3 hours a night. After 7 nights, how many more hours of sleep did Jillian get than Caitlin?	14	
3.	A roll of wallpaper covers half the area of a square wall whose width is 14 feet. The area of the part covered by this wallpaper is ___ ft ² .	98	
4.	What Is 4/9 of 180?	80	
5.	What is the greatest common factor of 60 and 48?	12	
6.	If 60 cm of snow falls each hour, how much snow, in cm, falls in 100 minutes?	100	
7.	What is two more than 5 to the power of 3?	127	
8.	How many perfect squares are between 20 and 145?	8	
9.	What is the largest whole number multiple of 7 less than 100?	98	
10.	The time 10 hours after 10 am is also the time 10 hours before what time?	6:00 am	
11.	Brody went to a play. The play started at five to four in the afternoon and ended at ten to five in the afternoon. How long, in minutes, did the play last?	55	

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12.	If bananas cost \$0.23 each and Anna has \$2.00, how many bananas can she buy?	8	
13.	What is 23 more than the product of 13 and 4?	75	
14.	What is the average of all the odd numbers between 2 and 10?	6	
15.	If I spend one-third of my \$240 gift card, how much will I have left?	[\$]160	
16.	What is the ones' digit of $26 \times 27 \times 28$?	6	
17.	Fill in the blank: $1000 \div 5 = \underline{\quad} \times 5$	40	
18.	One gallon equals 8 pints. One pint equals 2 cups. Three-fourth of a gallon equals to ___ cups.	12	
19.	What is the sum or 3^2 and 2^3 ?	17	
20.	What is the mode of the following set: 2,3,7,4,2,7,5,8,2,7,6,7?	7	
21.	The letters for MATHEMATICIAN were put in a box. What is the probability to randomly take out "A" without looking on a first try?	3/13	
22.	The total value of 75 nickels = the total value of ___ quarters.	15	
23.	11 ones + 11 tens + 11 hundreds = ___?	1221	

24.	If oranges are 5 for \$1 how many could you buy with \$0.60?	3	
25.	The first of two numbers is 17 more than twice the second. If the first number is 23, what is the sum of the two numbers?	26	
26.	What is the quotient of the division: $(2 \times 4 \times 6 \times 8) \div (1 \times 2 \times 3 \times 4)$?	16	
27.	Reduce this ratio: 48 : 40	6:5	
28.	There are 6 red pens, 4 blue pens, and 2 black pens in a jar. If drawn randomly, what are the chances that a blue pen is drawn?	1/3	
29.	A square has an area of 6. When the sides of the square are doubled, what is the new area?	24	
30.	What is the volume, in cubic meters, of a box with a height of 3 meters and a base with area 24 square meters?	72	
31.	Fill in the blank: $1111 + 2222 + 3333 + 4444 = 2222 \times \underline{\hspace{1cm}}$	5	
32.	What is the average of the measures of the angles in a triangle?	60 [degree]	
33.	If 3 out of 5 dentists recommend sugarless gum, what percent don't recommend sugarless gum?	40[%]	
34.	The area of a triangle is 18. The height and base are equal, what is the height?	6	
TOTAL SCORE			

MATH CHALLENGE TOURNAMENT 2015

GRADE 5

Sprint Math

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FINAL SCORE:

KEY

Name: _____

Team#: _____

- Write your answers in this test booklet.
- Unit is not necessary. If you choose to label your answer, please make sure you write the correct unit. A correct answer with incorrect unit will be marked as an incorrect answer.

Correct answer: 1 point

Blank answer: 0 point

Incorrect answer: 0 point.