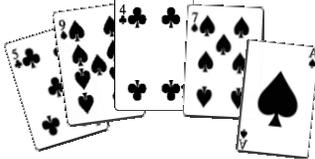
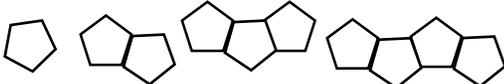


Grade 4

		Answers	Score
1.	How many days are there from March 18 to April 17?	1. 31 [days]	
2.	If you subtract the largest three digit even number from the smallest four-digit odd number, you will get Lee's favorite number. What is Lee's favorite number?	2. 3 (1001-998)	
3.	Annie had 468 marbles and Jack had 284 marbles. Annie gave Jack some marbles so they now have the same number. How many marbles do each of them have now?	3. 376 [marbles]	
4.	At a math competition, Edward ranked in the 24 th place from both the highest and the lowest scores. How many students participate at the competition?	4. 47	
5.	How many whole numbers between 1 and 100 contain the digit "8"?	5. 19	
6.	How many different numbers are factors of 64?	6. 7 (1,2,4,8,16,32,64)	
7.	In the following figure, how many right angles are there? 	7. 16	
8.	What is the sum of the numbers in the next three terms in the sequence below: 8, 13, 11, 16, 14, __, __, __	8. 58 (19+17+22)	
9.	Box C is twice as heavy as box B. The weight of box A is two times more than the weight of box C. If box B weighs 9 pounds, what is the weight of Box A?	9. 54 pounds	
10.	Jillian and Jemma collected a total of 200 empty bottles. For every 2 empty bottles Jillian collected, Jemma collected 3. How many empty bottles did Jemma collect?	10. 120 [empty bottles]	
11.	What number is the result of 1000 tens minus 100 tens?	11. 9000	

Grade 4

12.	In a card game, Josiah must choose two of the five cards below to keep in his hand. How many different hands of two cards can Josiah choose from the set of five cards below? 	12. 10	
13.	The letters A, M, and N below stand for different digits. What number does ANN represent? $\begin{array}{r} M N \\ + M N \\ \hline A N N \end{array}$	13. 100	
14.	A bus service runs every 15 minutes. If there is a bus at 10:20 a.m., how many buses are there between 9:00 a.m. and noon?	14. 12 [buses]	
15.	When Jonah stands on a chair of height 24 inches and Allie stands on a stool, Jonah is 35 inches taller than Allie. When both of them stand on the floor, Jonah is 40 inches taller than Allie. What is the height of the stool?	15. 29	
16.	If 81N is a three-digit number that is divisible both by 4 and by 7, find the value of the digit N?	16. 2	
17.	In 20 years, Lisa will be 3 times as old as she is now. How old will she be in 10 years?	17. 20	
18.	The following models are made up of toothpicks. The first figure was made of 5 toothpicks. How many toothpicks are needed to build the 100 th model? 	18. 401	

19.	I am a palindrome and I am also a five-digit number. Three of my digits are zeros. I am the greatest number possible with those characteristics. What number am I?	19.	90009		
20.	Sarah has a collection of coins from five different countries. Half of the coins are from Australia, $\frac{1}{6}$ are from Canada, $\frac{1}{6}$ are from Mexico, $\frac{1}{12}$ are from India, and 7 coins are from China. How many coins are in Sarah's collection?	20.	84 [coins]		
21.	The runner-up in a 100-meter race completed it in 10.16 seconds, which was 0.5 seconds slower than the winner. How long did the winner take to complete the race?	21.	9.66 [seconds]		
22.	Sanjana left home at 3:35 p.m. to attend a rehearsal. When she arrived at the rehearsal, she noticed that the minute hand of the clock had moved 90° clockwise. What time did she arrive at the rehearsal?	22.	3:50 p.m.		
23.	How many digits are used to print the page numbers in 'Crazy Math' book that has 200 pages?	23.	492		
24.	Cassidy skip-counts by five from 435 to 735, inclusive. How many numbers does Cassidy say?	24.	61		
25.	In the figure below, the perimeter of the rectangle is twice that of the square. What is the perimeter of the rectangle?	25.	48		
TOTAL SCORE					

MATH CHALLENGE TOURNAMENT 2015

Individual Problem Solving Challenge

Grade 4

Sponsored By Ellipsis Academy



FINAL SCORE:

KEY

Name: _____

School: _____

Individual Challenge (30 minutes)

- You may use scratch paper to do any calculations to reach final answers.
- Write your answers in this test booklet.
- Units are not necessary. If you choose to label your answer, please make sure you write the correct units. A correct answer with incorrect units will be marked as an incorrect answer.

There are 25 questions.

Correct answer: 5 points

Blank answer: 2 points

Incorrect answer: 0 points