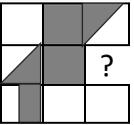
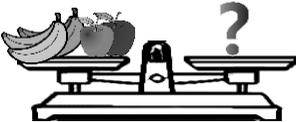
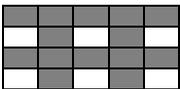
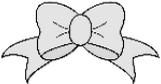


5 POINTS	
1.	A group of 3 girls share a plate of cookies. After they had taken 3 cookies each, there were 5 cookies left. How many cookies were there at first? A. 11 B. 14 C. 12 D. 13 E. 15
2.	The member of the "Sparky Soccer Team" are standing in a line. Jonah said to Ben, who is standing behind him, "Behind me, there are 8 players standing." Ben answered, "There are only three players in front of me. How many soccer players are standing in the line? A. 13 B. 12 C. 11 D. 14 E. 15
3.	 ×  ×  = 32  = 2 Find the value of  +  A. 8 B. 6 C. 7 D. 5 E. 10
4.	Mother made a dozen cookies. Tom ate half of them, Emi ate two and Logan ate the rest. How many cookies did Logan eat? A. 6 B. 5 C. 4 D. 3 E. 2
5.	 An adult ticket to the State Fair costs \$8, and a ticket for a child is \$2 cheaper. The Kilstrom family is going to the fair. If there are two adults and 2 children in the family, how much do they have to pay for the tickets to the State Fair? A. \$14 B. \$20 C. \$18 D. \$28 E. \$22
6.	Tony adds 2017 to the biggest two-digit even number and then he divides the sum by the largest one-digit odd number. What is the result? A. 141 B. 423 C. 705 D. 235 E. 47
7.	 When Pia the Panda is not sleeping, she eats 7 pounds of bamboo per hour. Yesterday she slept for 19 hours. How many pounds of bamboo did she eat yesterday? A. 7 lb. B. 21 lb. C. 25 lb. D. 28 lb. E. 35 lb.
8.	Four little toy cars, all in different color, were placed in a row. The green car is neither the first nor the last. The yellow car is neither next to the white car nor next to the red car. The first car is white. Which car is next to the last car? A. Green B. Yellow C. Red D. White E. Not possible

7 POINTS	
9.	Angela has one nickel, one dime and one quarter in her purse. How many different amount of money can she make using one, two, or all the three coins? A. 5 B. 6 C. 7 D. 8 E. More than 8
10.	 Joey had 240 Lego pieces. Cameron had half the number of Lego pieces Joey had. Trevor had 57 fewer Lego pieces than Cameron. How many Lego pieces did they have altogether? A. 424 B. 417 C. 423 D. 427 E. 433
11.	Which of the tiles below must be added to the picture so that the total white area is the same size as the total gray area?  A.  B.  C.  D.  E. 
12.	George has 42¢. What is the least number of coins he could have if none of his coins are nickels? A. 8 B. 4 C. 5 D. 6 E. 7
13.	Six bananas weigh as much as four apples. How many bananas weigh as much as four bananas and two apples?  A. 7 bananas B. 7.5 bananas C. 6 bananas D. 6.5 bananas E. 8 bananas
14.	An apartment building with 14 apartment units had 2 identical bathrooms in each unit. Each bathroom had floors tiled as shown to the right. How many more gray tiles than white tiles were used to tile the entire building?  A. 196 B. 224 C. 392 D. 168 E. 28
15.	On the planet Bagus, each bagusyear has 16 bagusmonths and each bagusmonth has 6 bagusweeks. How many bagusweeks are there in half of bagusyear?  A. 10 B. 22 C. 48 D. 60 E. 96

10 POINTS	
16.	At one square table, four chairs can be placed on each side. For the Holiday party, Calista put together 7 such square tables in order to make one long rectangular table. How many chairs can be placed at this long table now? A. 88 B. 56 C. 32 D. 112 E. 64
17.	 <p>A palindrome is a number which remains the same when its digits are written in reverse order. For example, 3883 is a palindrome. Nicole's car odometer reads 12921 miles. Find the least number of miles the car should travel for the next palindrome to appear on the odometer? A. 100 miles B. 101 miles C. 111 miles D. 11 miles E. 110 miles</p>
18.	<p>There were 7 origami squares. Some of them were cut into four pieces. As a result, there are 16 pieces of paper now. How many pieces of paper were cut?</p>  <p>A. 4 B. 2 C. 3 D. 5 E. 8</p>
19.	 <p>It takes 23 inches to make a bow. After making as many bows as possible from a 25-foot roll of ribbon, how much ribbon (in inches) would be left over? A. 10 B. 8 C. 3 D. 1 E. 3</p>
20.	<p>The year 2016 was a leap year, which means that there were 29 days in February. On March 18, 2016, Lori's puppy was 100 days old, what day was the puppy born?</p>  <p>A. Dec 9, 2015 B. Dec 10, 2015 C. Dec 19, 2015 D. Dec 8, 2015 E. Dec 20, 2015</p>

MATH CHALLENGE TOURNAMENT MASTERS

MARCH 18, 2017

PROBLEM SOLVING CHALLENGE Grade 3

Sponsored by Ellipsis Academy



Name: _____

- You may use scratch paper to do any calculation to reach final answers.
 - Mark your answers in the ANSWER SHEET.
- You have 40 minutes to complete the Problem-Solving Challenge

There are 20 questions