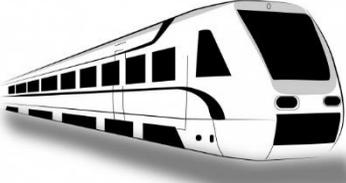
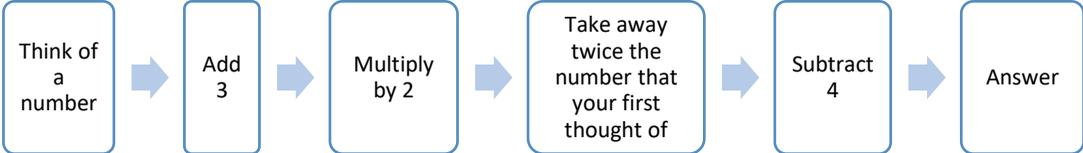


5 POINTS	
1.	Eve cut a piece of ribbon which is 50 cm long into two pieces. If the first piece was 35 cm long, how much longer was the first piece than the second piece? A. 35 cm B. 25 cm C. 20 cm D. 15 cm E. 10 cm
2.	Ekansh has started constructing a patio using square slabs (as shown in the picture). However, he wants it to be twice as long and twice as wide. How many slabs will he need altogether? A. 16 B. 24 C. 28 D. 30 E. 32
3.	 What fraction of the whole square is shaded? A. $\frac{1}{2}$ B. $\frac{1}{3}$ C. $\frac{1}{4}$ D. $\frac{1}{5}$ E. $\frac{5}{13}$
4.	 Vladimir puts 20 apples equally into 5 baskets. How many baskets are needed for 36 apples? A. 9 B. 6 C. 5 D. 4 E. 8
5.	It takes Maximillan 15 minutes to walk from home to the bus stop. He travels 30 minutes on the school bus to school. He reaches school at 8:55 a.m. What time does he leave home? A. 8:05 a.m. B. 8:10 a.m. C. 8:15 a.m. D. 7:55 a.m. E. 8:00 a.m.
6.	For one journey, my bus fare has increased from \$2.05 to \$2.15. I travel this journey twice each day of the week from Monday to Friday. How much extra do I pay in one week? A. \$1.00 B. \$10.50 C. \$0.50 D. \$21.50 E. \$0.10
7.	Alison is working on a mental math practice. She is able to do 13 calculations per second. Her friend, Kaichen, joins her, and able to do 778 calculations per minute. After two minutes, how many more calculations has Alison done compared to the number of calculations Kaichen has done? A. 26 B. 2 C. 13 D. 4 E. 130
8.	Siyona goes to the library from Monday to Friday only if there is an 's' in the name of the day. During the 13 weeks of spring, how many days did she go to the library? A. 39 B. 29 C. 26 D. 13 E. 65

7 POINTS	
9.	Sally bought a ribbon and a hairband. The hairband cost five times as much as the ribbon. If she paid 80 cents more for the hairband than the ribbon, how much did she spend on both the hairband and the ribbon altogether? A. \$1.00 B. \$1.05 C. \$1.10 D. \$1.20 E. \$0.90
10.	Arnav is 7 years and 8 months old. Chantel is 3 times as old as Arnav. What is the age difference between them? A. 22 years B. 23 years C. 24 years D. 15 years E. 154 months 6 months 4 months
11.	Warren used 3 pounds of flour to bake 12 cakes. How many cakes can he bake with 2 pounds of flour? A. 9 B. 8 C. 7 D. 6 E. 10
12.	Stephen paid \$21 for 2 packets of dried mangoes and 3 boxes of crackers. A packet of dried mangoes cost \$3. How much did a box of crackers cost? A. \$3.50 B. \$6 C. \$3 D. \$4 E. \$5
13.	 On a train trip, we left Portland at 9:30 a.m. and arrived at Bellingham station at 2:50 p.m. The train stopped only at Tacoma, Seattle, and Everett, for 5 minutes each time. For how many minutes was the train moving on this trip? A. 260 B. 295 C. 305 D. 245 E. 205
14.	 What is the answer that this number machine always gives? A. 4 B. 5 C. 3 D. 2 E. 1
15.	Brendan measured the total length of 4 fishing rods. He told Ian that it was the same length as the total of 7 equal length canes. Each fishing rod is 1 meter 40 cm long. What is the length of each cane in centimeters? A. 75 cm B. 80 cm C. 85 cm D. 90 cm E. 1 m

10 POINTS

16. A sergeant stands too long in the sun and gets confused. His troops are lined up facing north. Then he gives the order to “Right Turn” 70 times, and his troops do so. In which direction are the troops facing at the end?

A. West B. South C. East D. North E. Southwest

17. Anushka’s birthday this year, which is on October 26, 2018 will fall on a Friday. What day of the week will July 31, 2018 be?

A. Monday B. Tuesday C. Wednesday D. Thursday E. Friday

18. Vladimir has a Mysterious Money Machine that will double any amount of money placed in it and add \$5.00 to the doubled amount. Yesterday, he placed a certain amount of money in the machine, got a new amount, then placed the new amount back in the box. Then he had \$51.00. How much money did he first place in the Mysterious Money Machine?

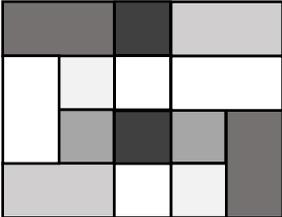
A. 23 B. 36 C. 14 D. 9 E. 18

19. Warren displays his cans of beans in just one large triangular pile like in the picture. His shop window is 80 cm high and 38 cm wide, and his bean cans are 10 cm high and 5 cm wide. What is the largest number of cans he can display in his window?



A. 36 B. 28 C. 38 D. 25 E. 26

20. How many squares of any size are in the image?



A. 8 B. 11 C. 13 D. 17 E. 16

MATH CHALLENGE TOURNAMENT MASTERS

April 21, 2018



Problem Solving Challenge

Grade 3

Problem 1 – 20

Do not begin until you are instructed to do so.

Problem Solving Challenge (40 minutes)

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