Bighelp For Education

Math Bee Contest - 2018

Level-3 (grade 3)

A Catalyst For Better Education In India

Score Card

Name of the student:_____

Phone :   _____

Student Grade:_____

For the use of Math Bee coordinator ONLY:

Section A Score: _____

Section B Score: _____

Section C Score: _____

Total Score   : _____

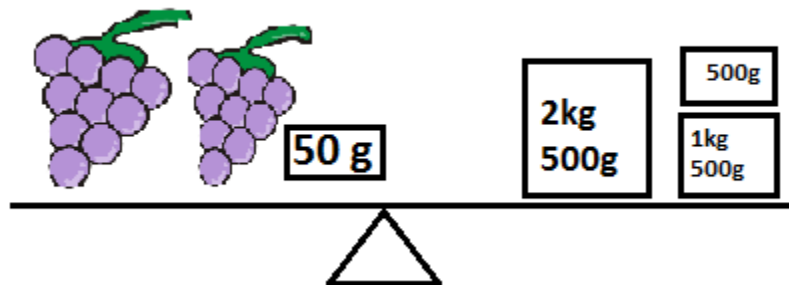## Section A: (15 questions –Multiple Choice)

Circle the correct answers for the following questions 1 – 15:

1) A clock at the Westborough train station shows 8:53 AM. The correct time is

9:55AM. By how many minutes is the clock slower?

    A)53 min   B)2 min   C) 62 min   D)60 min

2) 15 ft 8 inch + 22 ft 9 inch = _____ ft _____ inch.

    A)7 ft 2 inch   B)38ft 5 inch   c) 42 ft 0 inch   D)52 ft 11 inch

3) See the diagram below. How heavy are the two bunches of grapes?

    A)4kg 500g   B)3 kg 450g   C)4kg 450g   D)4kg 550g

4) Mr. Will has four times as much money as his son. If Mr. Will has $800, How much money do both of them have altogether?

A) $1000   B)$200   C) $600   D) $1200

5) Find the value of the expression below?

(- 25) – 75 + 200 – 25 – 75 + 400 – 25 - 75

A) 100   B)200   C)300   D)75

6) Find the missing value in the number pattern below.

347, 460, 573, _____, 799

A) 500   B)686   C)646   D)600

7) The difference between two numbers is 176. If the larger number is 1164, What is the smaller number?

A) 1340   B) 1330   C) 988   D) 978

8) Find the product of △ and ☆ with the following information below.

$$☆ + ☆ + ☆ = 123$$

$$△ + △ + △ + △ = 20$$

   A) 2460   B) 143   C) 46   D) 205

9) What is the quotient and remainder when 396 is divided by 5?

   A) 79 and 2   B)79 and 1   C) 69 and 1   D) 59 and 2

10) Sandra can only fill each page of her sticker album with 36 stickers. If she fills 3 pages and has 12 stickers left over, how many stickers does Sandra have in all?

   A)51   B)108   C) 48   D) 120

11) If you eat 3 meals every day, how many meals will you eat in the year of 2019?

   A)1370   B)1095   C)1050   D)1120

12) Solve the problem below.

4 yd 1 ft – 1 yd 2 ft = _____ yd _____ ft

a) 3 yd 1 ft   B)6 yd   C)2 yd 1 ft   D)2 yd 2 ft

13) Anita had $98.50. She bought a dress for $86.90 and took a yellow cab to go home. She had $2.90 left. How much did it cost to ride the yellow cab home?

a) $188.30   B)$7.40   C) $8.40   D) $8.70

14)A fruit seller cut watermelon into 120 equal cubes. He sold **¾** th of them. How many cubes of the watermelon are left?

A)90   B)60   C) 20   D) 30

15) A group of kids sat in a stadium to watch a basketball game. Counting from the aisle, Joe is the 7th and Matt is the 16th. How many kids are in between Joe and Matt?

A)9   B)23   C) 10   D) 8

Section B: (10 Questions - Fill in the blanks)

Fill in the blank with the correct answerfor questions 16-25:

16) The first 4 stripes on a Berlin wall with 100 stripes are red, blue, white and purple in that order. These 4 colors repeat in the same order. What color is the 55th stripe on the wall?

Answer: _____

17) During a party two identical cakes were divided into four equal pieces each. Then each of the these pieces was divided into three pieces. After that each of the people at this party got a piece of cake and three pieces were left over. How many people were at this party?

Answer: _____ people.

18) Akhil used 3 eggs for each omelet in his breakfast. How many omelets can he make with 1 dozen brown eggs and 2 dozen white eggs for his family?

Answer**:** _____ omelets

19) A camp lets each camper choose two of six available activities. If there are 180 campers, what is the average number of campers in each activity?

Answer**:** _____

20) How many different 4-digit numbers can you make using numbers 6, 7, 8 and 9.

Answer: _____.

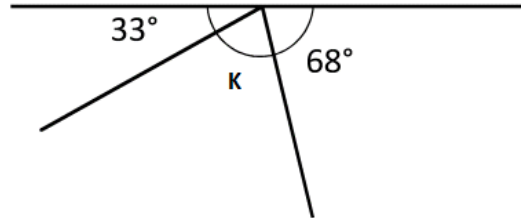21) Solve the expression below.

60 ÷ 5 x 4 + 5 − 4 x 3

Answer: _____

22)String A is 85 cm long. String B is twice as long as String A. String C is 30 cm shorter than string B. How long is string C?

Answer**: _____m _____ cm

23) John's room is 7 ft. by 9 ft. Robert's room is 8 ft. by 8 ft. How much larger is Robert's room in square feet?

Answer**: _____square feet.

24) What is the value of Angle K in degrees? Use the diagram below.

Answer: _____ degrees.

25) Find the missing value of the following equation

21 + 32 + 43 + 54 + 63 = 11 + 22 + 33 + 44 + 55 + _?_ .

Answer: _____

Section C: (5 Questions)

Solve the problems 26-30 & write the answer in the blank provided.
NOTE: Please show the steps clearly wherever needed.

26) A rectangular golden garden measures 15m by 22m.
      A)What is the perimeter(in meters) ofthe golden garden?
      B)What is the total cost of putting a fence around the golden garden if 1m of fencing costs $10?
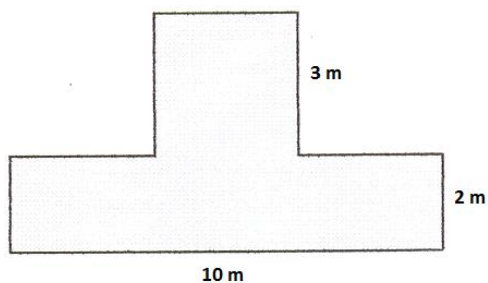
Answer: A)_____ **m**   **B)$**_____

27) Mr. Suresh inherits some money. He keeps $1,800 for himself, he gives $980 to his wife, and then he divides the rest among his 6 children. First three children receive $89 each and the rest of the three children receive $95 each.
      A)How much did Mr. Suresh inherit?
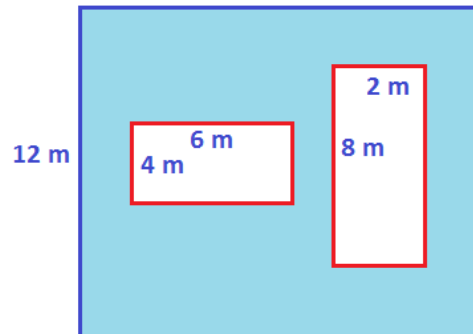   **B)** How much the children received in total ?

Answer: A)$ _____   **B) $**_____

28) Find the perimeter of the irregular shape below?

3 m

2 m

10 m

      Answer: _____**m.**

29) The Shrewsbury townhall complex has a square shaped backyard in length of 12 m. One section contains a rectangle swimming pool that is 6 m in length and 4 m in width and a rectangle tennis court that is 2 m in width and 8 m in length. Find the area of the backyard space without including the swimming pool and the tennis court?

Answer: _____ square meters.

30) Right now, Obulesu is five times as old as his sister Sruthi. In 6 years, he will be twice as old as Sruthi.

A) How old will Obulesu be in 10 years?

B) How old will Sruthi be in 10 years?

Answer: A) _____ yrs.   B) _____ yrs.

Level 3 Answer Key:

Number	Level 3	
1	C	62 mins
2	B	38 ft 5 inches
3	C	4 kg 450 g
4	A	$1000
5	C	300
6	B	686
7	C	988
8	D	205
9	B	79 and 1
10	D	120
11	B	1095
12	D	2 yd 2 ft
13	D	$8.70
14	D	30
15	D	8
16	WHITE	
17	21 people	
18	12	
19	60	
20	24	
21	41	
22	140 cm	1 m 40 cm
23	1 sf	
24	79 degree	
25	48	
26	a) 74 m b)$740	Total 2 points. 1 point each.
27	A)$3332 B)$552	Total 2 points. 1 point each.
28	30 m	Total 2 Points.
29	104 sq. m.	Total 2 Points.
30	A) 20 Yrs B) 12 yrs	Total 2 points. 1 point each.