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Math Bee Contest - 2018

Level-4 (grade 4)

Score Card

Name of the student : _____

Parent's Cell Phone: _____

Student Grade: _____

For the use of Math bee coordinator ONLY:

Section A&B Score : _____

Section C Score : _____

Total Score : _____

Section-A:- (15 questions -Multiple Choice)

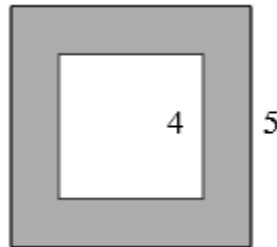
Circle the correct answers for the following questions 1 -15:

1) Find the value of K in the equation below?

$$66 + 66 + 66 + 66 = 46 + 46 + 46 + K$$

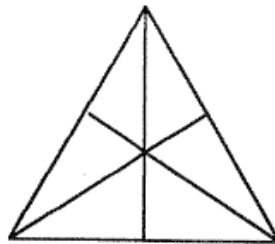
- A) 46 B) 66 C) 60 D) 126

2) The figure below shows one square inside another. The smaller square measures 4 centimeters on each side. The large square measures 5 centimeters on each side. What is the area of the shaded region?



- A) 9 sq. cm B) 12 sq. cm C) 15 sq. cm D) 20 sq. cm

3) How many triangles of any size are in the figure below?



- A) 6 B) 8 C) 10 D) 12

4) What digit is in the thousandths place of the number **9345.78200**?

- A) 8 B) 9 C) 2 D) 7

5) 4600 g is equivalent to how many kg?

- A) 460 B) 46 C) 4.60 D) 4.66

6) Mr. Raja got a total of 435 points on the 5 tests in his math class. What is his average score?

- A) 25 B) 85 C) 45 D) 87

7) Find the GCF of the following 2 numbers?

20 and 24

- A) 4 B) 12 C) 20 D) 24

8) The area of a rectangular garden is 132 square feet. If the length of the garden is 12 feet. What is the width?

- A) 144 ft B) 12 ft C) 18 ft D) 11 ft

9) A pencil costs $\frac{1}{4}$ as much as a pen. If a pen costs \$0.80, how much would 5 pens and 5 pencils cost?

- A) \$5.00 B) \$6.00 C) \$10.00 D) \$12.20

10) What is the value of $15.5 \times 0.15 = ?$

- A) 2.325 B) 23.25 C) 2325 D) 2.35

11) Sara buys four Grade 4 Math workbooks to practice at home. The prices of the books are \$7.95, \$12.95, \$29.95, and \$12.50. How much money does Sara spend in all?

- A) \$60.35 B) \$63.35 C) \$56.45 D) \$52.45

12) Find the value of

$$5 \times 127 \times 2 \times 5 \times 2$$

- A) 12,700 B) 25,400 C) 63,500 D) 89,000

13) Kavi uses exactly 42 feet of fencing to surround a garden that is in the shape of a rectangle. His garden has a length of 12 feet. Find the width, in feet, of Kavi's garden?

A) 7

B) 8

C) 9

D) 10

14) Rohit is 10 years old. His mother is four times his age. After how many years will Rohit's mother be twice his age?

A) 19

B) 14

C) 13

D) 20

15) There are 21 kids including Sam, standing in a line. The number of kids behind Sam is four times the number of kids ahead of Sam. What is Sam's position in the line?

A) 8

B) 6

C) 5

D) 4

SECTION -B :- (10 questions - Fill in the blanks)

16)The number of cars is 5 times the number of vans in Franklin business district. There 3576 vehicles in all. How many more cars than vans are there?

Answer: _____ more cars.

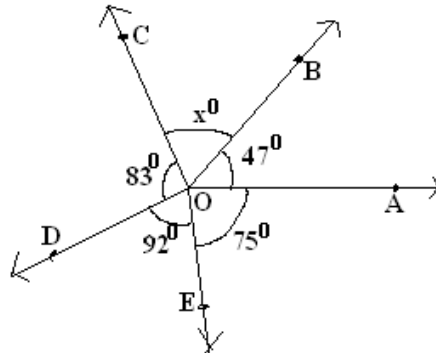
17)Tyson works 8 h 30 min in a factory 7 days a week. He is paid \$10 an hour. How much money does he earn in a week?

Answer: \$ _____

18)A rectangular room has a perimeter of 60 feet and an area of 216 square feet. How many feet longer is this rectangle than its wide?

Answer: _____ Ft.

19) Find the value of X in the picture below?



Answer: _____ degrees.

20) A BJ's gasoline pump delivers $4\frac{2}{5}$ gallons of gas per minute. How many minutes will it take to fill a Toyota Camry gas tank that holds $16\frac{1}{2}$ gallons?

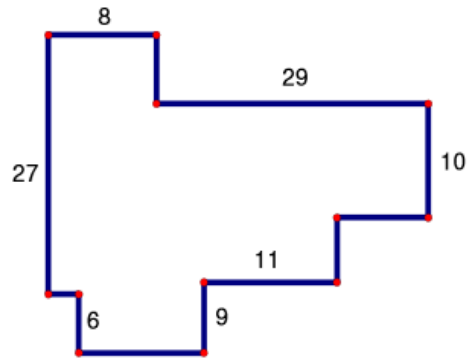
Answer: _____ minutes.

21) The school bought 17 boxes of workbooks. There were 20 workbooks in each box. Each box of workbooks cost \$204. How much did the school spend on the boxes of workbooks?

Answer : \$ _____.

22) In the figure below, all angles are right angles. What is the perimeter of the figure

below?



Answer: _____.

23) Cindy has 387 pennies, 149 nickels, and 67 dimes. Sarah has 145 pennies, 65 nickels, and 286 dimes. How many more coins does Cindy have than Sarah?

Answer : _____ Coins.

24) What is the distance around a rectangular corn field having a length of $\frac{3}{4}$ mile and width of $\frac{1}{2}$ mile?

Answer: _____ miles.

25) Find the value of the expression $75 \div 3 \times 20 - 200 \div 4$

Answer: _____.

SECTION - C (5 Questions- Challenging)

26) How many total number of small cubes will be in the 5th figure assuming same pattern?

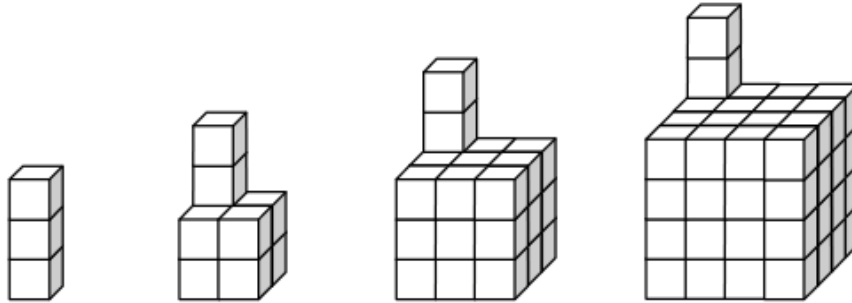


Figure 1

Figure 2

Figure 3

Figure 4

Answers: _____ cubes

27) A U.S flag pole at the SmartKids office is 135 cm long. It is painted red, white, and blue. In the ratio 3 : 4 : 2, what length of the flag pole is painted red?

Answers: _____ cm.

28) Maya looked at the clock on her bedroom wall and thought of the angle between the hours hand and minute's hand. What is the angle in degrees?



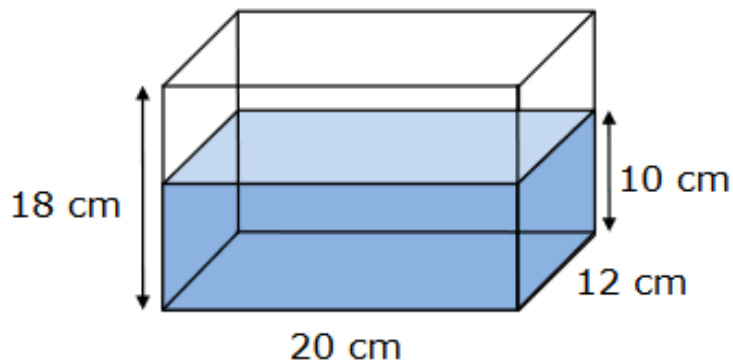
Answers: _____ degrees

29) Find the value of the sum of the following mixed fractions?

$$\begin{array}{r} 1\frac{5}{6} \\ + 2\frac{7}{8} \\ \hline \end{array}$$

Answer: _____.

30) A rectangular fish tank is 20 cm long, 12 cm wide and 18 cm high. The fish tank is filled with water to a depth of 10 cm. Find the volume of the space left in the tank to fill with water? Note: Write answer in cubic cm.



Answer: _____ cubic centimeters.

Level 4 Answer keys:

Number	Level 4
1	D
2	A
3	D
4	C
5	C
6	D
7	A
8	D
9	A
10	A
11	B
12	A
13	C
14	D
15	C
16	2384
17	595
18	6
19	63
20	3 and 3/4 or 3.75 or 15/4 or 3 minutes and 45 seconds
21	3468
22	140
23	107
24	Ans: 2 and 1/2 or 2.50
25	450
26	127
27	45
28	115 or 114 (either answer is correct)
29	Ans: 4 and 17/24
30	1920