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Math Bee Contest - 2011

A Catalyst For Better Education In India

Level-3

Score Card

Name of the student : _____

Level : **3**

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. Name a time when the hands of an analog clock form an acute angle.
a) 3:00 AM b) 9:00 AM c) 2:00 PM d) 6:00 PM

2. Which set of signs +, - needs to be used in \square to make this expression true?

$$9 \square 8 \square 7 \square 6 = 18$$

- a) +, -, + b) -, +, - c) +, +, - d) +, +, +
3. The rectangle and the square have the same perimeter. The length of the rectangle is 7 cm, and its width is 3 cm. What is the area of the square?
- a) 5 b) 10 c) 20 d) 25
4. A recycling center kept a log of how many glass bottles were recycled in the past 4 days.

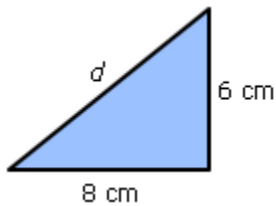
Bottles recycled	
Day	Number of bottles
Tuesday	4,512
Wednesday	1789
Thursday	2,633
Friday	2,517

How many more glass bottles did the center recycle on Tuesday than it recycled on Thursday?

- a) 1789 b) 1879 c) 1889 d) 1779
5. Arya made 462 rolls. She gave away 12 rolls and sold the rest at 6 for \$1. How much money did she receive?
- a) \$77 b) \$70 c) \$80 d) \$75

6. There are 3 school buses that go from the school to the field trip at a Science Museum. The buses each have 9 rows of seats with 4 seats in each row. How many students can fit on all the three school buses?
- a) 108 b) 98 c) 27 d) 36

7. If the perimeter of the following triangle is 24 cms, what is the value of d?

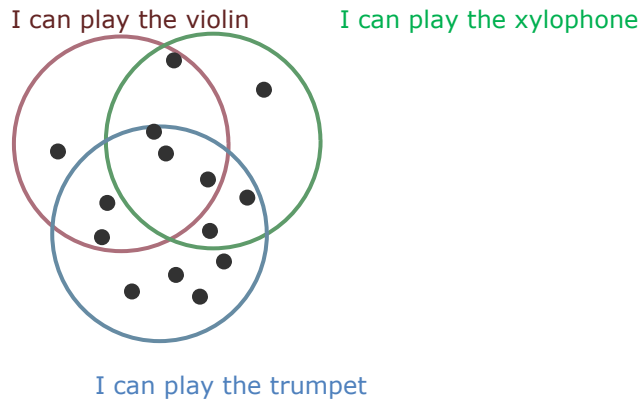


- a) 11 cms b) 10 cms c) 8 cms d) 9 cms
8. Kishore ran 26 mile marathon at an average speed of 9 minutes for a mile. How long did Kishore take to run an entire marathon?
- a) 2 Hrs 34 mins b) 3 Hrs 34 mins
c) 3 Hrs 44 mins d) 3 Hrs 54 mins
9. Mrs. White had 197 stickers. She gave 7 stickers to each of the students in her third grade class. She had fewer than 7 stickers left over. How many students did she have in her third grade class?
- a) 26 b) 29 c) 28 d) 27
10. Maya had 24 candies. She gave $\frac{1}{3}$ (one third) of candies to her brother Shiva. Out of remaining candies, she gave $\frac{1}{2}$ (half) to her sister Priya. How many candies does Maya have left?
- a) 4 b) 6 c) 5 d) 8
11. $12 * \$0.03 =$
- a) 36 dollars b) 36 cents c) 3 dollars 60 cents d) 12 dollars

- 12.** Pooja read 9 pages of book a day. After reading the book each day for a week, she still had 28 pages left to read. How many total pages are there in the book?

a) 81 b) 63 c) 91 d) 101

- 13.** Look at this Venn diagram: It describes how many kids can play instruments: violin, xylophone and trumpet.



How many kids can play trumpet but not the violin?

a) 7 b) 6 c) 11 d) 4

- 14.** How many vertices, edges and faces does a triangular prism have?



a) 6 vertices, 6 edges, 6 faces b) 6 vertices, 9 edges, 5 faces
c) 6 vertices, 9 edges, 6 faces d) 5 vertices, 9 edges, 5 faces

- 15.** Diya eats dinner from 6:30 PM to 7:00 PM. Then she studies for Math bee for half an hour. Then she takes 5 minutes to brush her teeth, 15 minutes for bath. What time she finishes her bath?

a) 7:20PM b) 7:55PM c) 7:40 PM d) 7:50PM

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

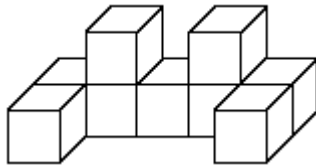
Fill in the blank with the correct answer for questions 16- 25

16. $128 + 2989 = 1978 + \underline{\hspace{2cm}}$

17. $\underline{\hspace{2cm}}$ is 111 more than 3899.

18. $47 - (37 + 4) = \underline{\hspace{2cm}}$.

19. The figure presented in the picture, made with identical cubes, weighs 1161 grams. How much does one cube weigh?



Each cube weighs $\underline{\hspace{2cm}}$ grams.

20. $7 \times 3 \times 3 \times 28 = 28 \times \text{☺}$

To make the above equation true, the value of ☺ is $\underline{\hspace{2cm}}$

21. If,

$$\begin{aligned} \heartsuit + \heartsuit + \heartsuit + \heartsuit + \heartsuit &= 15 \\ \clubsuit + \clubsuit + \clubsuit + \clubsuit &= 16 \\ \diamondsuit + \diamondsuit + \diamondsuit &= 24 \end{aligned}$$

Then, the value of $\heartsuit \times \clubsuit \times \diamondsuit$ equals to $\underline{\hspace{2cm}}$.

- 22.** Find the lowest possible 4-digit number with a 3 in the tens place.

Answer: _____

- 23.** The Tigers played 20 baseball games during the summer. They won 4 more games than they lost. How many games did they lose?

Answer: Tigers lost _____ games.

- 24.** Sachin is buying boxes of popcorn for himself and his friends at the movie theater. Each box of popcorn costs \$1.25 plus 7¢ tax. He bought 3 boxes of popcorn and paid with five dollar bill. How much money did he receive back from cashier?

Answer: \$_____

- 25.** A toy car's length is 1.5 inches. A toy airplane's length is 4 times as much as toy car. How much longer is the toy airplane's length than the toy car?

Answer: _____ Inches

Section-C :- (5 Questions)

Solve the problems 26-30 & write the answer in the blank provided:

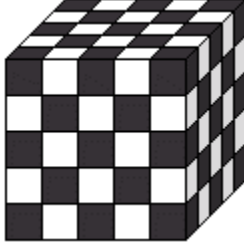
- 26.** Richa counted her dimes. When she put them in groups of 7, she had two dimes left over. When she put them in groups of 5, she had one left over. What is the number of dimes she could have, if she has less than two dollars?

ANSWER: _____

- 27.** Trucker Trent drove from Boston to Philadelphia for 5 hours and 30 minutes at an average speed of 60 miles per hour. He gets paid 50 cents per mile that he drove. How many dollars did he earn for this trip?

ANSWER : _____

- 28.** Out of 125 small, white and black cubes, the big cube was formed (see the picture). Every two adjacent cubes have different colors. The vertices of the big cube are black. How many white small cubes does the big cube contain?



Answer : _____

- 29.** A family group of 6 went to a show. Tickets for adults are \$6. Tickets for children are \$4. The family spent \$30 for tickets. How many adult tickets did they buy?

ANSWER: _____ adult tickets

- 30.** Girls and boys from Maria's and Mathew's third grade class have formed a line. There are 16 students on Maria's right, and Mathew is among them. There are 14 students on Mathew's left, and Maria is among them. There are 7 students between Maria and Mathew. How many students are in this class?

ANSWER: _____