Bighelp For Education

Math Bee Contest - 2011

Level-5

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Score Card

Name of the student: _____

Level   : _____

For the use of spelling bee coordinator ONLY:

Section A&B Score   : _____

Section C Score   : _____

Total score   : _____

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

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

1.   If the number of marchers in the last parade was equal to the largest even number less than 2000, how many people marched in that parade?

A) 1000   B) 1998   C) 1999   D) 2000

2.   Of the following which has the largest odd factor?

A) 30   B) 32   C) 26   D) 44

3.   Mary divided a number by 2 and then added 6 to it. The result was 24. What was the number?

A) 9   B) 15   C) 36   D) 54

4.   The product of all 4 sides of a square is 1296. What is the sum of all 4 sides?

A) 24   B) 36   C) 48   D) 72

5.   How many quarters make 20 dimes and 20 nickels?

A) 10   B) 12   C) 20   D) 300

6.   Five boys and four girls are standing in a circle. Just two of the boys can say "Next to me is a boy." How many of the girls can say "Next to me is a girl"?

A) 0   B) 1   C) 2   D) 3

7. $2^2 * 2^4 = 4^n$. What is the value of n?

A) 2   B) 1   C) 4   D) 3

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Circle the correct answer for the following questions

8. If yesterday were Monday, then 8 days from today would be

A) Monday   B) Tuesday   C) Wednesday   D) Thursday

9. Jacob has $5. If he spends 20% at the grocery, then spends 50% of the remaining money at the arcade, how much money will he be left with?

A) $1.50   B) $2   C) $3   D) $3.50

10. The average age of 5 bears is 120 months. What is sum of their ages?

A) 10 years   B) 24 years   C) 50 years   D) 120 years

11. Now, Tina is 10 years older than Veda was 5 years ago. Veda is 15 years now. How old will Tina be in 2 years?

A) 27   B) 25   C) 22   D) 20

12. Each of the following is a polygon except a

A) Circle   B) Rectangle   C) Square   D) Triangle

13. How much longer is a side of a square with perimeter 36 cm than the width of a rectangle with area 36 cm^2 and length 18 *cm*?

A) 4 cm   B) 7 cm   C) 32 cm   D) 34 cm

14. The product of any 3-digit whole number and any 2-digit whole number can contain at most how many digits?

    A) 3   B) 4   C) 5   D) 6

15. A sum of money is shared between 2 girls in the ratio 2 : 5. If Rita gets $750 less than Tina, what is the sum of money shared?

A) $2000   B) $1500   C) $1750   D) $250

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

Fill in the blank with the correct answer 16- 25

16) 2 weeks = 8 days + _____ hours

17) Jack added all the odd numbers from 1 to 1999. Tim added all the even numbers from 2 to 2000. Tim's sum is _____ more than Jack's.

18) A polygon that contains exactly 5 angles has exactly _____ sides.

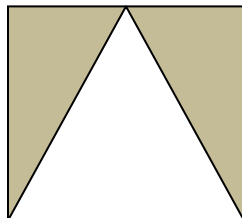19) _____ is equivalent to 275% (write the answer as mixed fraction).

20) Adam drove 86 km/h for the first 1 ½ hour of his journey and completed the rest of it at 60 km/h. If he drove for a total of 3 ½ hour, he would have covered a total distance of _____ km.

21) The sum of the first 50 (including 50) numbers is _____

22) If one of the triangle angle is 40°, then sum of the two angles is _____.

23) If I type 2400 words per hour, so I type _____ words per minute.

24)

In the above figure, the perimeter of square is 32 cm. The area of the shaded region is _____ cm^2.

25) Chandra's grades so far are 90, 94, and 97. To average 95 for all five grades, the average of next two grades must be _____.

Section-C :-   (5 questions – Challenging)

Solve the problem and write the answer in the blank provided:

26)   When juiced, and orange yields 10 ml and pineapple 30 ml. If 7 oranges and 1 pineapple are juiced. What is the percentage of pineapple juice in the mixture?

ANSWER:_____

27) Tap A alone can fill a tank in 3 minutes. Tap B alone can fill the same tank in 4 minutes. When the two taps are turned on at the same time, how long will it take the two taps to fill the tank completely? Write the answer in mixed fraction.

ANSWER:_____ minutes.

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28) A ball is dropped from 100 cm. Each time it hits the ground, the ratio of the height it bounces up to the height from which it drops is 3:5. What is the height from ground on 4th bounce?

ANSWER:_____

29)   Chad and Zachary are shelving books at a public library. Chad shelves 50 books at a time, whereas Zachary shelves 16 at a time. If they end up shelving the same number of books, what is the smallest number of books each could have shelved?

ANSWER:_____

30) At 6:00 AM, the temperature started rising 1.5°C per hour until it reached ⁻8°C at 8:00 AM. What was the temperature at 6:00 AM?

ANSWER:_____