

CRPF PUBLIC SCHOOL, ROHINI

First Intra School Mathematics Olympiad 2010

CLASS V

Max. Marks: 60

Time: 1 hour 30 minutes

General Instructions:

1. Each question of Section A (Q1-5) carries 2 marks, that of Section B (Q6-15) carries 3 marks and of Section C (Q16-20) carries 4 marks.
2. Each question has five choices (A, B, C, D or E). Select the correct answer to each question and darken the corresponding circle in the Answer Sheet provided to you. For each correct answer in section A, B and C, two, three and four marks will be awarded respectively. **One mark will be deducted for each incorrect answer (of all the sections), while no mark will be deducted for any unattempted question.** Darkening of more than one circle for any answer shall bear zero mark.
3. Darken the correct circle with HB Pencil ONLY.
4. Do not make any stray marks on the answer sheet and do not use it for any kind of Rough Work.

SECTION - A

Q1) A dice has an edge of 22m. Find the volume of the dice.

- A) 10248m^3 B) 10648m^3 C) 10068m^3 D) 10468m^3 E) 16048m^3

Q2) Two angles of a triangle are 90 and 62. Find the third angle.

- A) 26 B) 27 C) 39 D) 28 E) 38

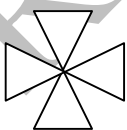
Q3) What should be added to the sum of $\frac{2}{6}$ and $\frac{1}{6}$ to make it equal to 1?

- A) $\frac{1}{2}$ B) $\frac{1}{3}$ C) $\frac{1}{4}$ D) $\frac{1}{3}$ E) $\frac{2}{6}$

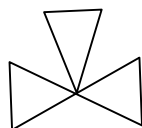
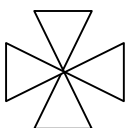
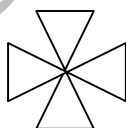
Q4) Find the HCF of 84 and 28

- A) 14 B) 28 C) 84 D) 7 E) None of these

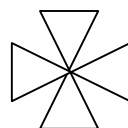
Q5) This is 1



What is



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= ?

- A) $3\frac{3}{4}$ B) $4\frac{2}{3}$ C) $1\frac{2}{3}$ D) 4 E) 8

SECTION - B

Q6) Take away 30.846 from 40

- A) 8.269 B) 9.514 C) 9.154 D) 9.826 E) 10.826

Q7) Which list shows the numbers in order from greatest to smallest?

- A) 2880901, 4808092, 3808292, 3800902 B) 3800902, 3808290, 4808092, 4880901
C) 4808092, 4880901, 3808290, 3800902 D) 3880902, 3800902, 2880910, 2808091
E) None of these

Q8) Find out answer in Roman numeral for XCIII-LXV

- A) XXVI B) XL C) XXVIII D) VIII E) XXXVI

Q9) What should be added to 35268 to make it the greatest 5-digit number?

- A) 60371 B) 67431 C) 58926 D) 64731 E) 62497

Q10) The time taken by a cyclist to travel a distance of 12 km cycling at a speed of 15 km/hr is

- A) 68 min B) 180 min C) 48 min D) 50 min E) 120 min

Q11) If on a particular day, the temperature of Delhi was 35 C, express it in Fahrenheit scale.

- A) 832 F B) 601 F C) 132 F D) 144.8 F E) None of these

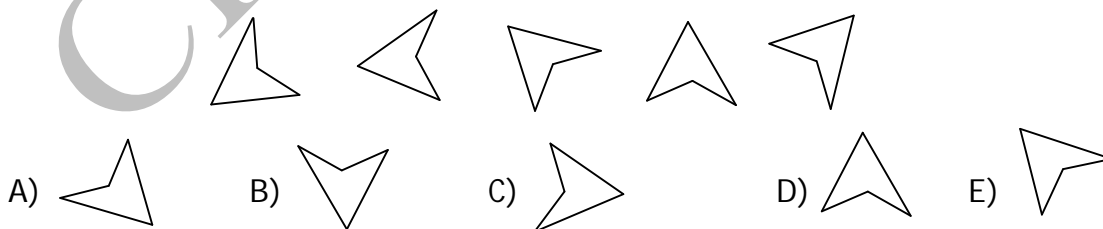
Q12) A train started from a station on Monday at 21.15 hrs and reached another station on Tuesday at 12 noon. Find the duration of its journey.

- A) 14 hrs 15 min B) 14 hrs 45 min C) 12 hrs 30 min
D) 12 hrs 15 min E) None of these

Q13) A kilogram of mangoes costs Rs. 35. What is the cost of $3\frac{1}{2}$ mangoes?

- A) Rs. 122.50 B) Rs. 102.50 C) Rs. 100 D) Rs. 112.50 E) Rs. 92.75

Q14) which of these matches the next turn of the given shape?



Q15) Find the value of $2\frac{1}{6}\%$ of 4800m.

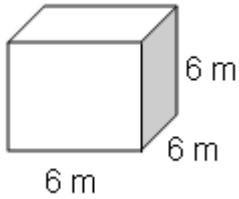
- A) 810m B) 780m C) 104m D) 400m E) 520m

SECTION – C

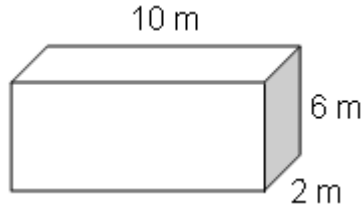
Q16) A man purchased 7 stools and 8 tables. The cost of one stool was Rs. 150 and the cost of 1 table was Rs. 280. If he sold all stools and tables for Rs. 3100, find his profit or loss.

- A) Rs 180 B) Rs 170 C) Rs 200 D) Rs 160 E) Rs 190

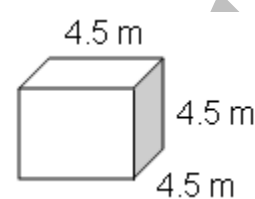
Q17) Which of these has more volume?



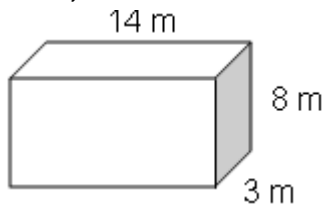
A)



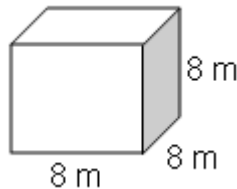
B)



C)



D)



E)

Q18) An engine pumps 2,85,000 l of water in 5 hrs. How many litres of water will the engine pump in one minute?

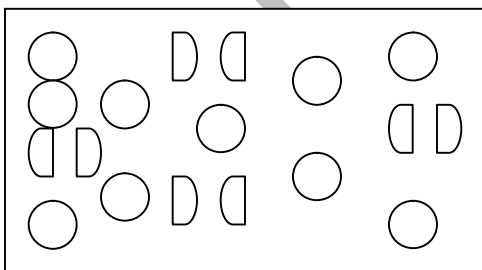
- A) 800 l B) 850 l C) 285 l D) 8500 l E) 950 l

Q19) A school hostel purchased a crate containing 200 eggs. 50 of the eggs are found rotten. What percentage of the eggs are good?

- A) 75% B) 35% C) 25% D) 50% E) None of these

Q20) How many triangles are there in this figure?

- A) 126 B) 119 C) 82 D) 61 E) 91



NOTE: The **answer key** of this question paper will be available on the School's blog www.crpfpsrohini.blogspot.com on November 11, 2010 after 6 pm. The **Result** will be declared on 19 November and will also be available on the school's blog.