

NAME :

SECTION :

ROLL No.

Q.1 Draw the next four patterns:-

Q.2 Observe the pattern and fill in the blanks :-

- | | |
|-------------------------------------|-------------------------------------|
| (a) 5, 20, 35, _____, _____, _____ | (b) 2, 4, 8, _____, _____, _____ |
| (c) 8, 20, 32, _____, _____, _____ | (d) 12, 24, 36, _____, _____, _____ |
| (e) 5, 16, 27, _____, _____, _____ | (f) 6, 12, 24, _____, _____, _____ |
| (g) 23, 27, 31, _____, _____, _____ | (h) 66, 55, 44, _____, _____, _____ |
| (i) 9, 34, 59, _____, _____, _____ | (j) 15, 30, 45, _____, _____, _____ |

NAME :

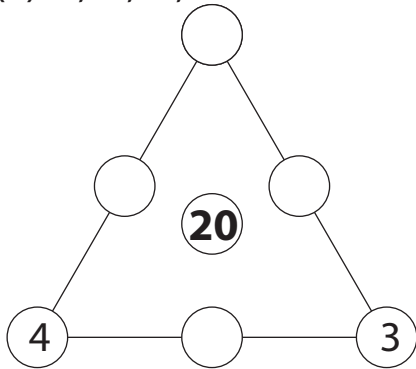
SECTION :

ROLL No.

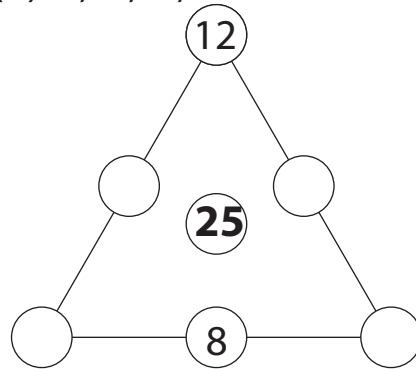
Q.1 Continue the following patterns :

Q.2 Fill in the missing circles of the triangle from the set of given numbers. The numbers on each side of the triangle must add up to get the number in the centre.

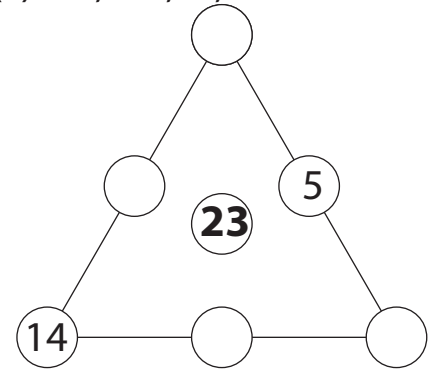
(a) 9, 8, 7, 13



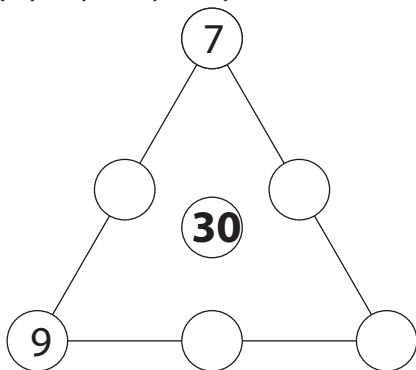
(b) 6, 4, 7, 10



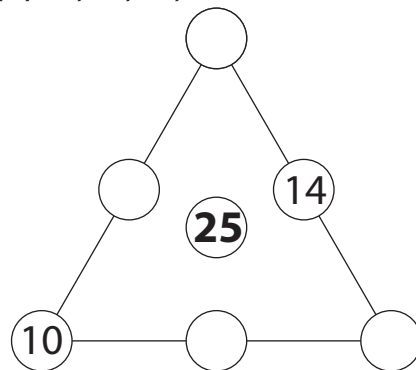
(c) 16, 12, 3, 7



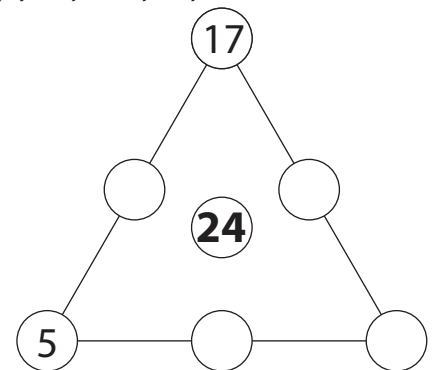
(d) 8, 14, 13, 15



(e) 4, 8, 7, 11



(f) 2, 15, 3, 4



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Q.1 Fill in the missing boxes with numbers from 1 to 9 by using them just once to get the number given in the circles :

9		7
	6	
	10	3

18

	8	1
2		6
7	0	

12

8	1	
	5	7
4		2

15

10		
5		9
	11	

21

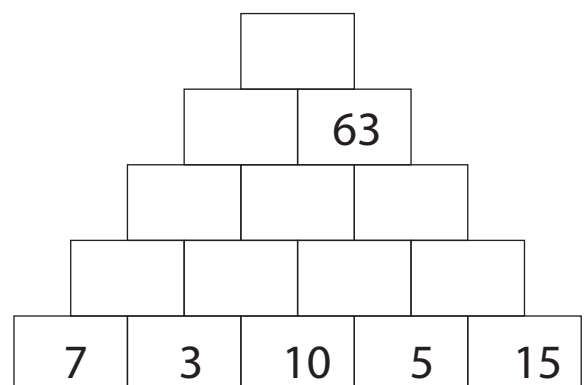
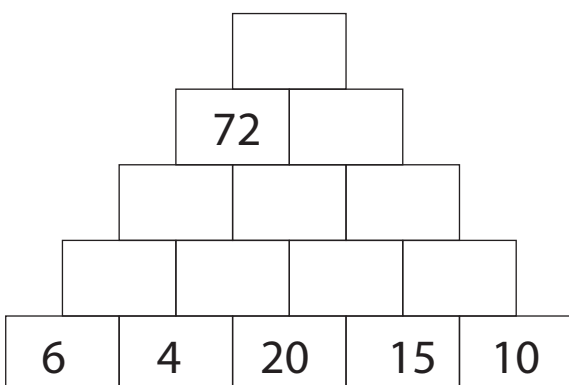
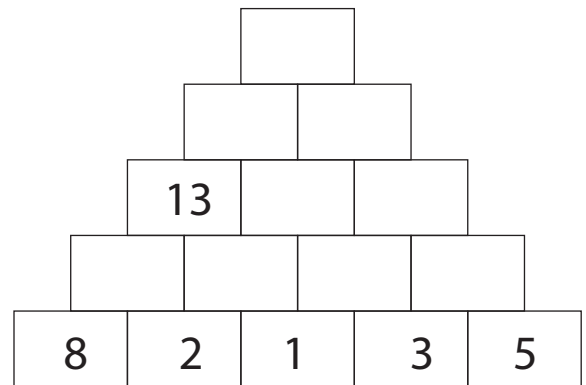
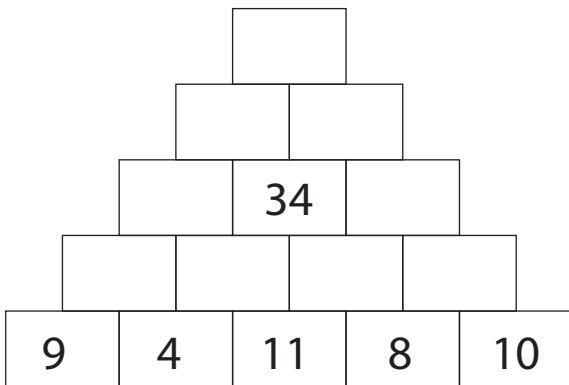
2		
	5	1
4		

15

3		
8		0
	6	5

12

Q.3 Fill in the missing boxes to complete the number towers :



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Q.1 Tick (✓) the correct option :

(a) The next three numbers for the pattern 2, 6, 10 are:

(i) 12, 16, 20 (ii) 14, 17, 21 (iii) 14, 18, 22

(b) The next two numbers for the pattern 34, 45, 56, 67 are:

(i) 78, 98 (ii) 78, 89 (iii) 89, 90

(c) The next one number for the pattern B-2, C-3, D-4, E-5 is:

(i) F-6 (ii) F-7 (iii) G-6

(d) The next one number for the pattern A-10, C-8, E-6, G-4 is:

(i) I-2 (ii) H-2 (iii) H-3

(e) Choose the option which fits in correctly for the (?) in the following table:

23	45	36
28	48	41
33	51	46
38	54	51
43	57	56
?	?	?

(i) 53, 63, 75 (ii) 61, 60, 48 (iii) 48, 60, 61

(f) The sixth number for the pattern 22, 44, 66, 88 is:

(i) 110 (ii) 132 (iii) 154

(g) The next number for the pattern 33, 66, 99 is:

(i) 132 (iii) 165 (ii) 122

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Q. 1 Fill in the blanks with the help of numbers given below without using actual addition :

41 42 43 44 45 46 47 48 49

(a) $43 + 47 = \underline{\hspace{2cm}} + 46$

(b) $44 + 46 = 45 + \underline{\hspace{2cm}}$

(c) $42 + 48 = 43 + \underline{\hspace{2cm}}$

(d) $41 + \underline{\hspace{2cm}} = 44 + 46$

(e) $49 + \underline{\hspace{2cm}} = 44 + 46$

(f) $\underline{\hspace{2cm}} + 42 = 45 + 45$

Q. 2 Fill in the blanks with the help of numbers given below without using actual addition :

81 82 83 88 85 86 87 88 89

(a) $85 + 85 = \underline{\hspace{2cm}} + 82$

(b) $83 + 87 = 87 + \underline{\hspace{2cm}}$

(c) $86 + 84 = 85 + \underline{\hspace{2cm}}$

(d) $89 + \underline{\hspace{2cm}} = 81 + 89$

(e) $82 + \underline{\hspace{2cm}} = 85 + 85$

(f) $\underline{\hspace{2cm}} + 83 = 85 + 80$

Q. 3 Complete the following patterns and colour them .

