Questions : 1

What are the next three numbers in the above sequence?

| 146 | 32 | 256 | 31 | 248 | 24 | ? | ? | ? |

Ans: 192, 87, 696
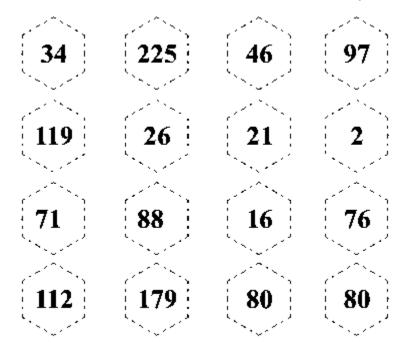
Take difference of alternate digits, then multiply by 8.

So, 24 x 8 = 192,

192 produces 87 (9 - 1 = 8 and 9 - 2 = 7),

87 x 8 = 696.

Questions : 2

Which four of these numbers will add up to 500?

34	225	46	97
119	26	21	2
71	88	16	76
112	179	80	80

Ans: 225+ 119 + 76 + 80 = 500.

What number should replace the question mark?

1	2	4	2
3	6	12	18
1	10	28	58
2	13	51	?

Ans: 137

Add the three surrounding numbers in the position as in the examples below.

Questions : 4

What number should replace the question mark?

	4			6			5	
8	60	9	11	66	7	13	?	9
	8			5			4	

Ans: 108

$8 \times 9 = 72$

$- \quad 4 + 8 = 12$

$\overline{60}$

$11 \times 7 = 77$

$- \quad 6 + 5 = 11$

$\overline{66}$

$13 \times 9 = 117$

$- \quad 5 + 4 = 9$

$\overline{108}$