

NAME :

SECTION :

ROLL No.

Q. Draw the patterns:-

NAME :

SECTION :

ROLL No.

Q. Tick the option which shows the next correct pattern:-

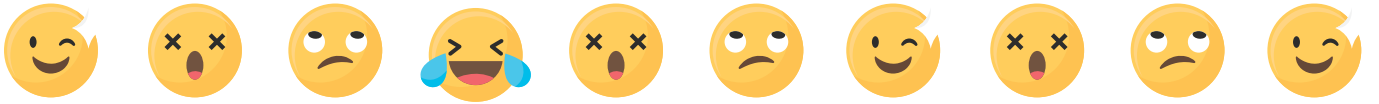
		 ?	(i) 	(ii) 	(iii) 		
		 ?	(i) 	(ii) 	(iii) 		
			 ?	(i) 	(ii) 	(iii) 	
			 ?	(i) 	(ii) 	(iii) 	
				 ?	(i) 	(ii) 	(iii) 
			 ?	(i) 	(ii) 	(iii) 	
			 ?	(i) 	(ii) 	(iii) 	
				 ?	(i) 	(ii) 	(iii) 
			 ?	(i) 	(ii) 	(iii) 	
			 ?	(i) 	(ii) 	(iii) 	
			 ?	(i) 	(ii) 	(iii) 	
				 ?	(i) 	(ii) 	(iii) 

NAME :

SECTION :

ROLL No.

Q. Circle the figure breaking the rule of the pattern:-



NAME :

SECTION :

ROLL No.

Q.1 Complete the magic squares:-

a.

17		15
12		
	18	11

The sum is 42.
Use numbers from 10-18.



b.

	16	23
22		
17		19

The sum is 60.
Use numbers from 16-24.

c.

		18
21	17	13
	15	

The sum is 51.
Use numbers from 13-21.



d.

2	16	
	8	4
10		

The sum is 24.
Use even numbers from 0-16.

e.

2		4
	5	3
	1	

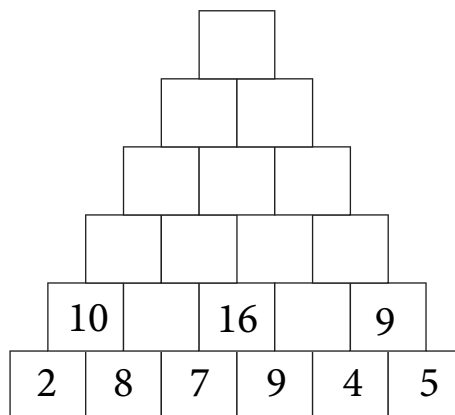
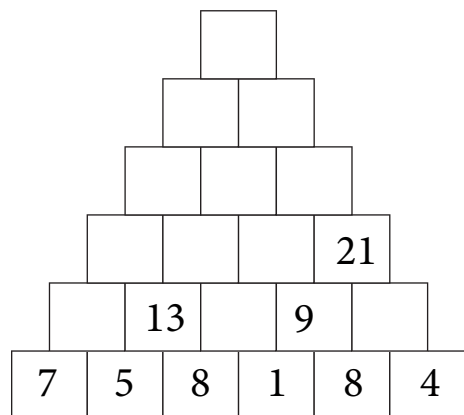
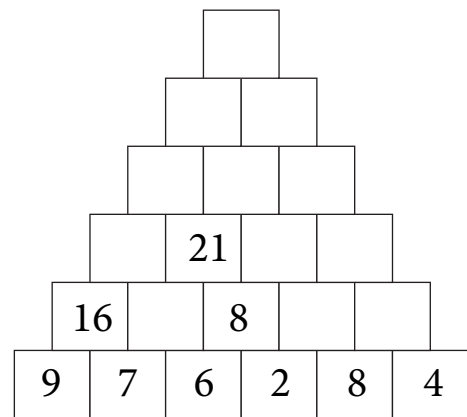
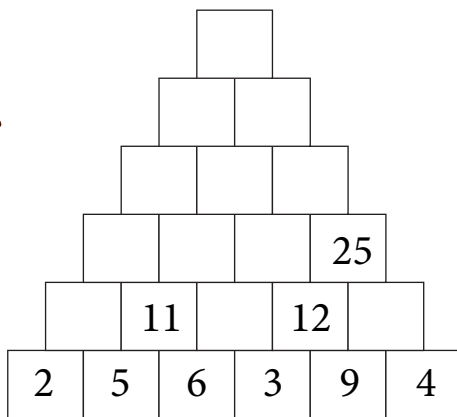
The sum is 15.
Use numbers from 1-9.

f.

		14
10	18	11
	15	

The sum is 39.
Use numbers from 10-18.

Q.2 Complete the number pyramids by adding the number:-

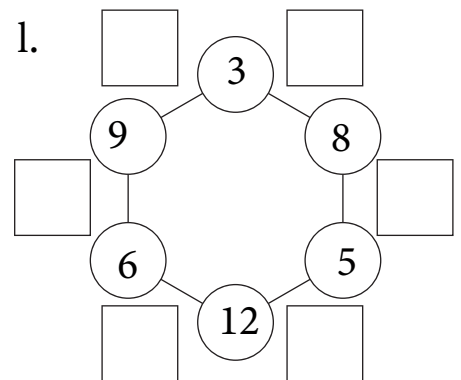
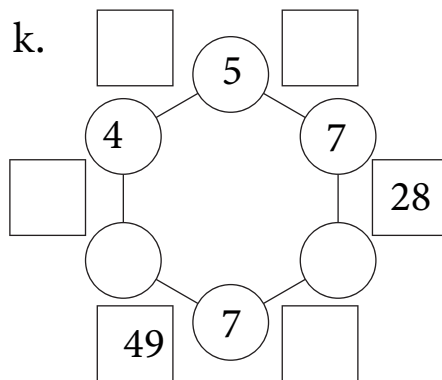
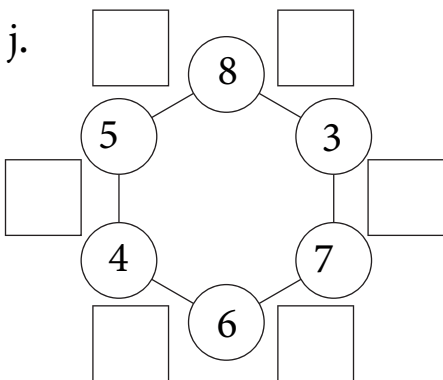
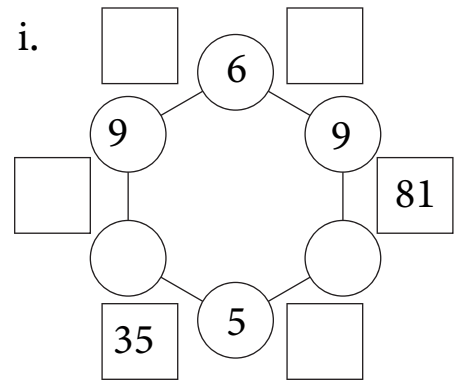
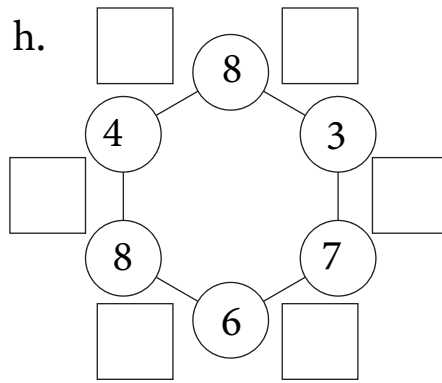
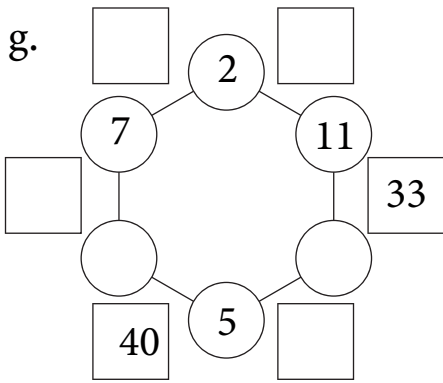
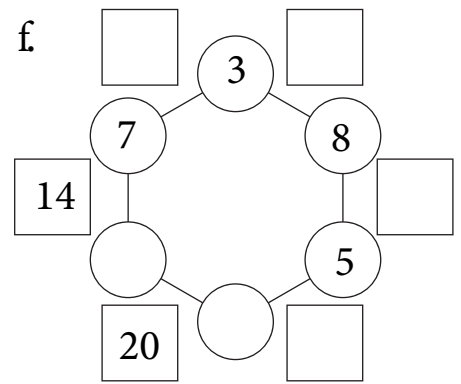
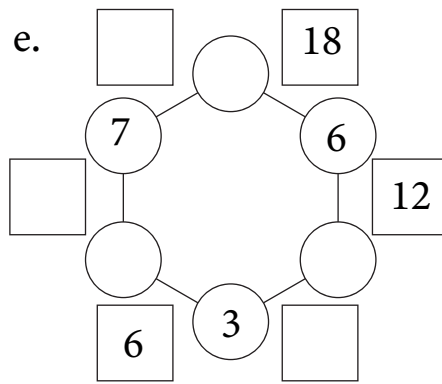
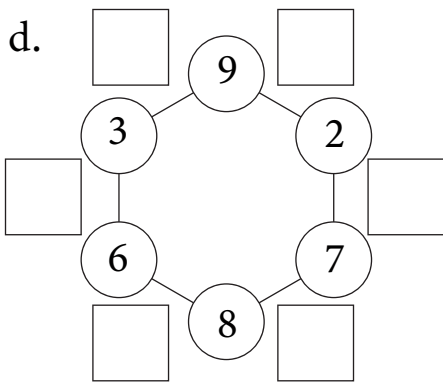
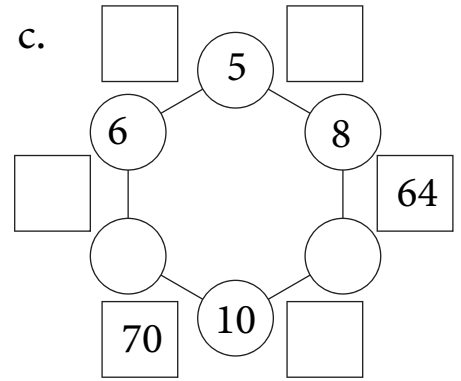
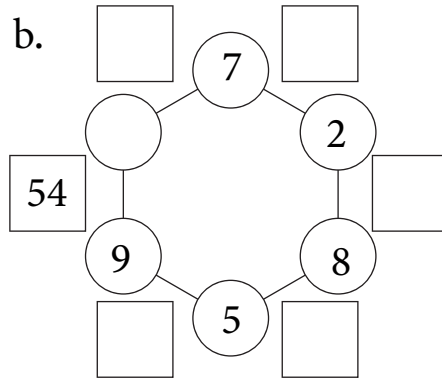
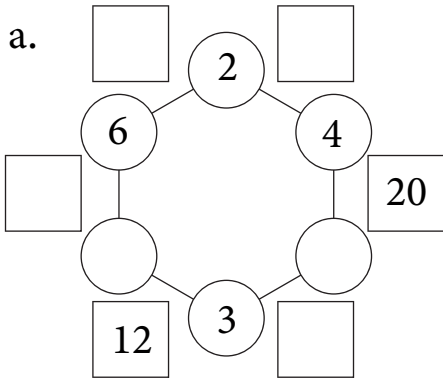


NAME :

SECTION :

ROLL No.

Q. Complete the hexagon by finding the rule:-

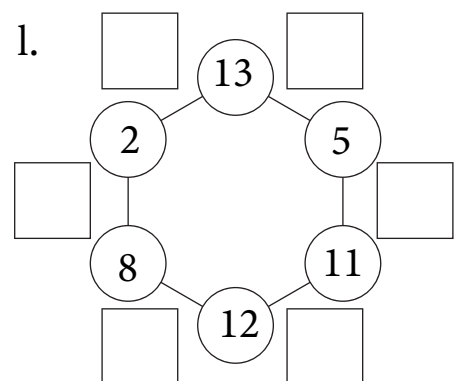
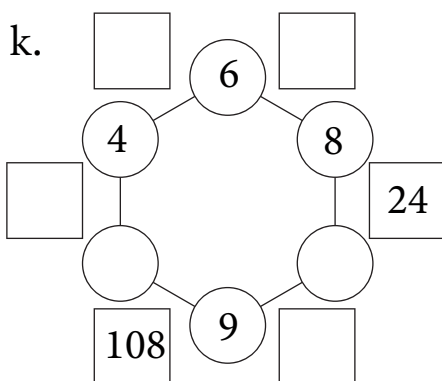
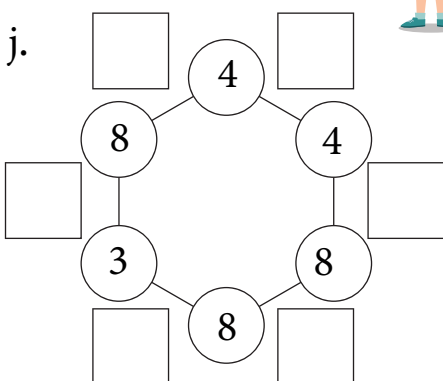
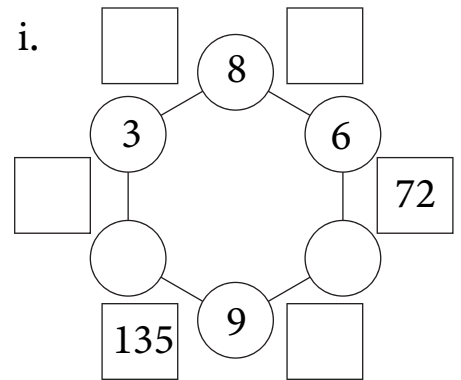
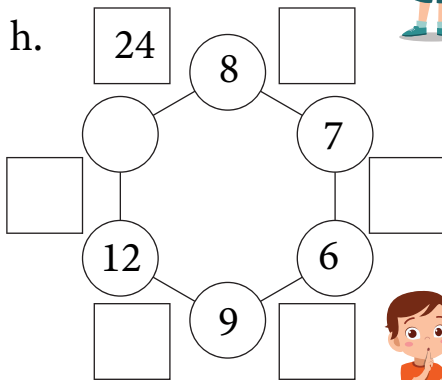
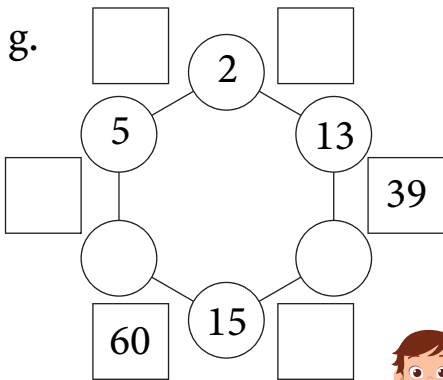
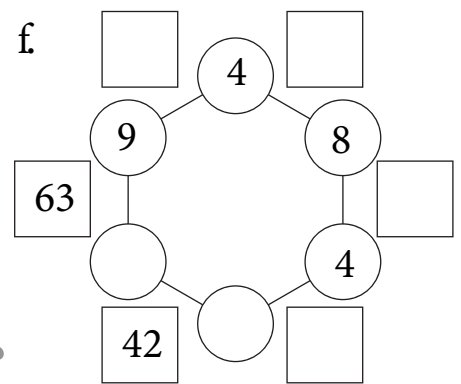
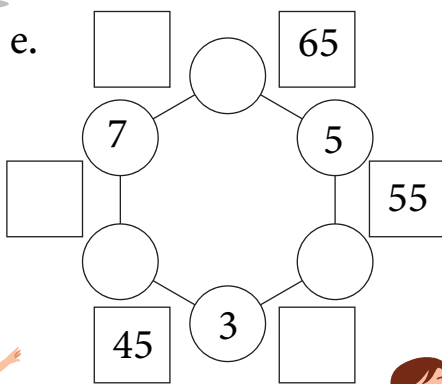
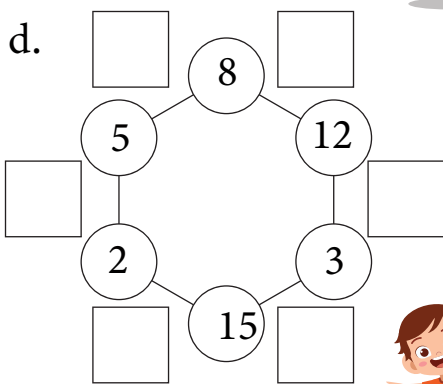
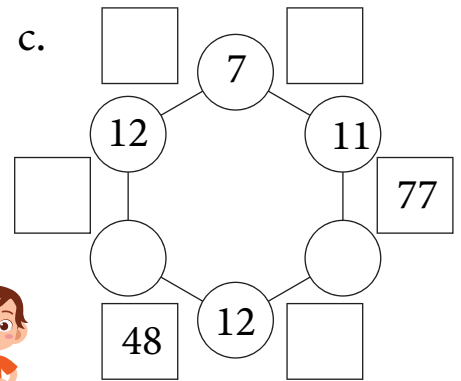
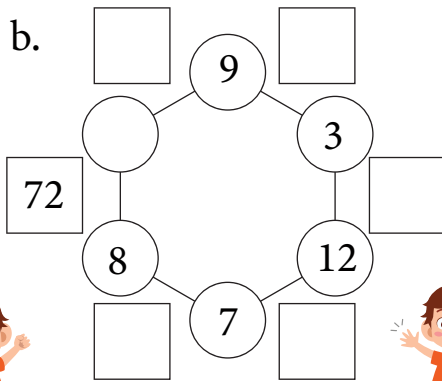
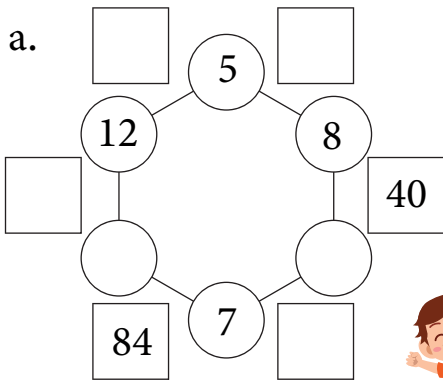


NAME :

SECTION :

ROLL No.

Q. Complete the hexagon by finding the rule:-



NAME :

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ROLL No.

Q. Fill in the blanks by observing the rule:-

$1 \times 1 = 1$

$0 \times 9 + 1 = 1$

$2 \times 2 = 1 + 3$

$1 \times 9 + 2 = 11$

$3 \times 3 = 1 + 3 + 5$

$12 \times 9 + 3 = \underline{\hspace{2cm}}$

$4 \times 4 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} + 4 = 1111$

$\underline{\hspace{2cm}} = 1 + 3 + 5 + 7 + 9$

$1234 \times 9 + 5 = \underline{\hspace{2cm}}$

$6 \times 6 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 111111$

$7 \times 7 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 1111111$

$8 \times 8 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 11111111$

$9 \times 9 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 111111111$

$10 \times 10 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 1111111111$

$1 \times 1 = 1$

$3 \times 37 = 111$

$11 \times 11 = 121$

$6 \times 37 = 222$

$111 \times 111 = 12321$

$9 \times 37 = 333$

$1111 \times 1111 = \underline{\hspace{2cm}}$

$12 \times 37 = \underline{\hspace{2cm}}$

$11111 \times 11111 = \underline{\hspace{2cm}}$

$15 \times 37 = \underline{\hspace{2cm}}$

$111111 \times 111111 = \underline{\hspace{2cm}}$

$18 \times 37 = \underline{\hspace{2cm}}$

$1111111 \times 1111111 = \underline{\hspace{2cm}}$

$21 \times 37 = \underline{\hspace{2cm}}$

$11111111 \times 11111111 = \underline{\hspace{2cm}}$

$24 \times 37 = \underline{\hspace{2cm}}$

$111111111 \times 111111111 = \underline{\hspace{2cm}}$

$27 \times 37 = \underline{\hspace{2cm}}$

$667 \times 667 = 444889$

$6667 \times 6667 = 4444889$

$66667 \times 66667 = 44444889$

$666667 \times 666667 = 444444889$

$6666667 \times 6666667 = \underline{\hspace{2cm}}$

$66666667 \times 66666667 = \underline{\hspace{2cm}}$

$666666667 \times 666666667 = \underline{\hspace{2cm}}$

$6666666667 \times 6666666667 = \underline{\hspace{2cm}}$

$66666666667 \times 66666666667 = \underline{\hspace{2cm}}$



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ROLL No.

Q. Find some special numbers by turning back the given numbers and adding them. One has been done for you :

a. 45 Number turned back = 54
Sum = $45 + 54$
= 99

b. 23 Number turned back = _____
= _____ + _____
= _____

c. 42 Number turned back = _____
= _____ + _____
= _____

d. 53 Number turned back = _____
= _____ + _____
= _____

e. 36 Number turned back = _____
= _____ + _____
= _____

f. 68 Number turned back = _____
= _____ + _____
= _____

g. 65 Number turned back = _____
= _____ + _____
= _____

h. 63 Number turned back = _____
= _____ + _____
= _____

i. 86 Number turned back = _____
= _____ + _____
= _____

j. 76 Number turned back = _____
= _____ + _____
= _____

k. 63 Number turned back = _____
= _____ + _____
= _____

l. 85 Number turned back = _____
= _____ + _____
= _____

m. 52 Number turned back = _____
= _____ + _____
= _____

n. 98 Number turned back = _____
= _____ + _____
= _____

o. 12 Number turned back = _____
= _____ + _____
= _____

p. 43 Number turned back = _____
= _____ + _____
= _____