

CLASS NOTES

Class: IV

Topic: Play with Patterns

Chapter-10

Subject: MATHS

WORKBOOK

Note: Write the given work in maths workbook.

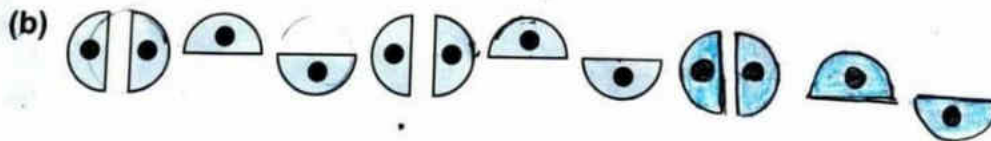
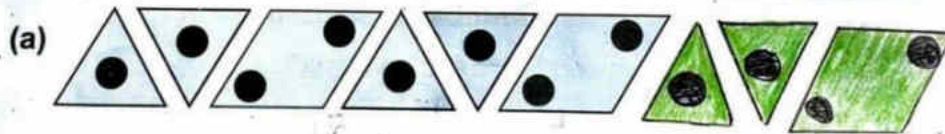
1. Using the following basic design make 3 different patterns:

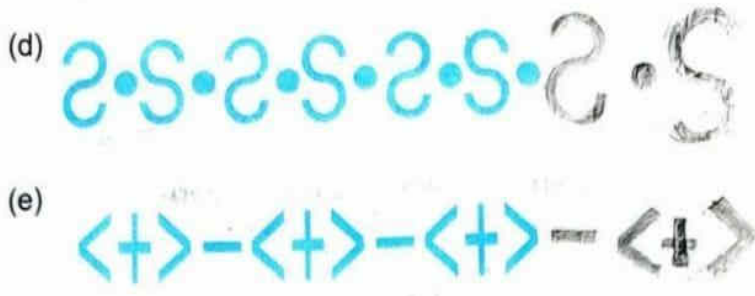


DO IT YOURSELF

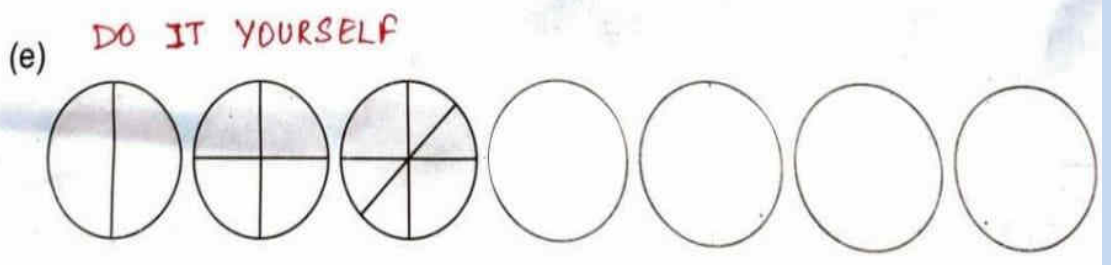
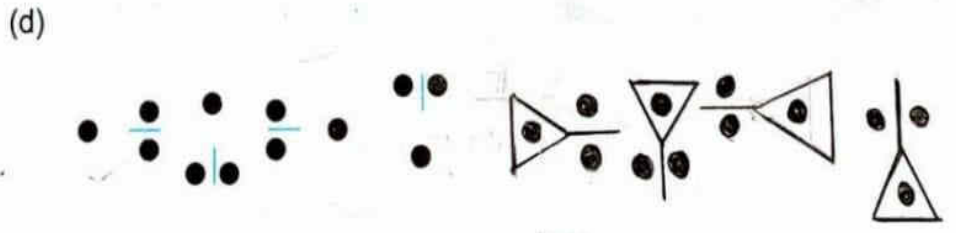
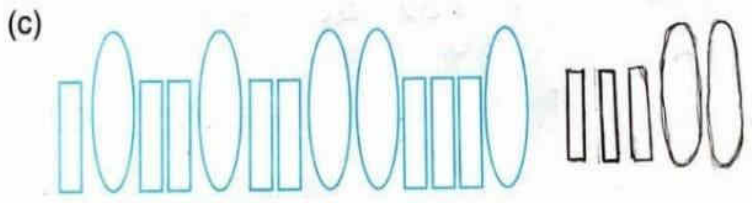
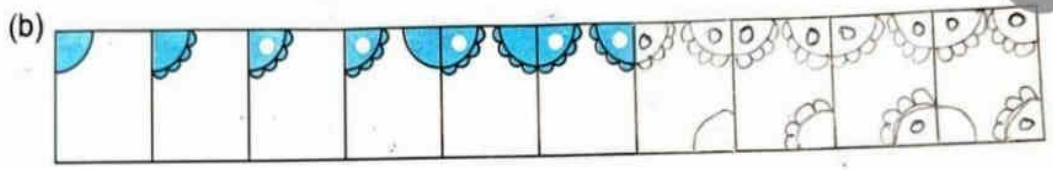
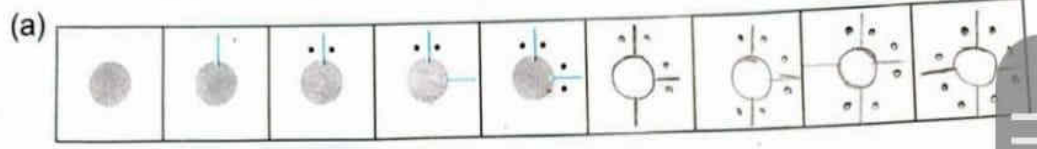
3 >

2. Complete the following patterns:





3. Continue the pattern by making it grow



4. Complete the following number/alphabet patterns

(a)

| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| ABA | CDC | EFE | GHG | IJI | KLK | MNM |
| BCB | DED | FGF | HIH | JKJ | LML | |

(b)

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|
| Z1 | Y2 | X3 | W4 | V5 | U6 | T7 | S8 | R9 | Q10 |
|----|----|----|----|----|----|----|----|----|-----|

(c)

| | | | | | | |
|------|------|------|------|------|------|------|
| 9 AB | 8 CD | 7 EF | 6 GH | 5 IJ | 4 KL | 3 MN |
|------|------|------|------|------|------|------|

(d)

| | | | | |
|---------|---------|---------|---------|-----------|
| 123 234 | 345 456 | 567 678 | 789 900 | 1011 1122 |
|---------|---------|---------|---------|-----------|

(e)

next no. is increasing by 111

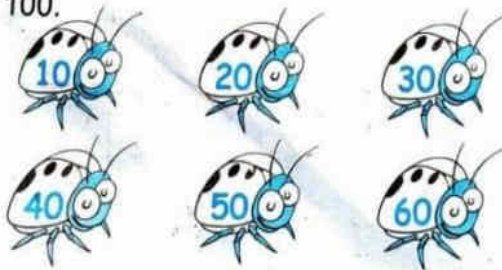
| | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|
|  | 989 | 889 | 789 | 689 | 589 | 489 | 389 | 289 |
| ● | ● | ● | ● | ● | ● | ● | ● | ● |

5. GRID WORK!

Using a 3 × 3 grid put ○, □ and △ in such a way that no shape comes twice in any line.

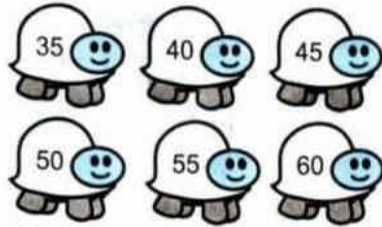
| | | |
|---|---|---|
| ○ | □ | △ |
| △ | ○ | □ |
| □ | △ | ○ |

6. (a) Arrange the bugs in the form of a triangle in such a way that each line totals 100.



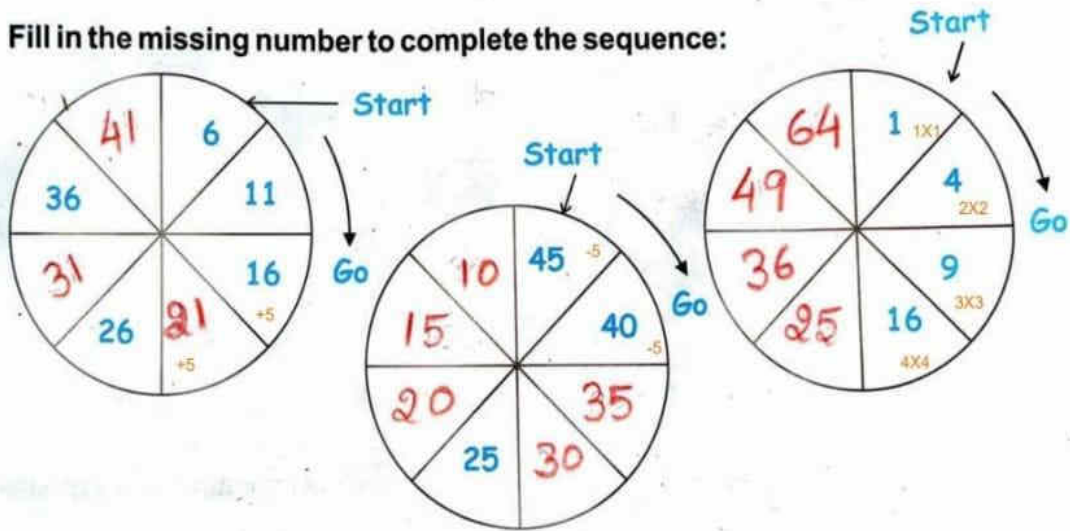
50
40 20
10 60 30

(b) Put each tortoise in the proper place so that each row, column and diagonal totals 150.

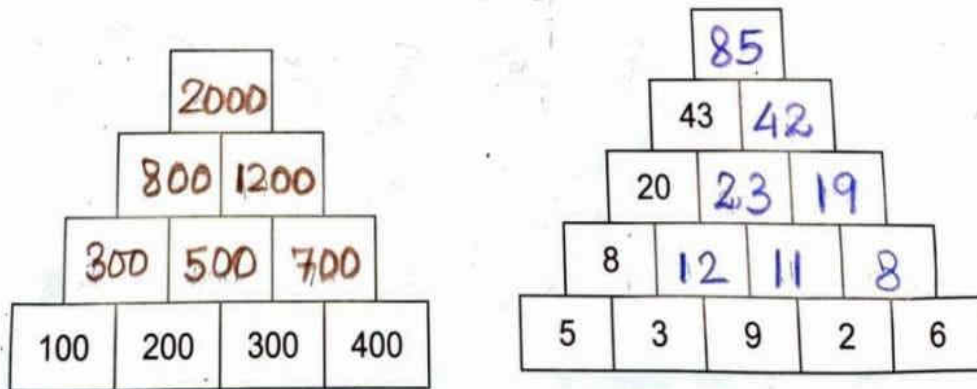


| | | |
|----|----|----|
| 35 | 70 | 45 |
| 60 | 50 | 40 |
| 55 | 30 | 65 |

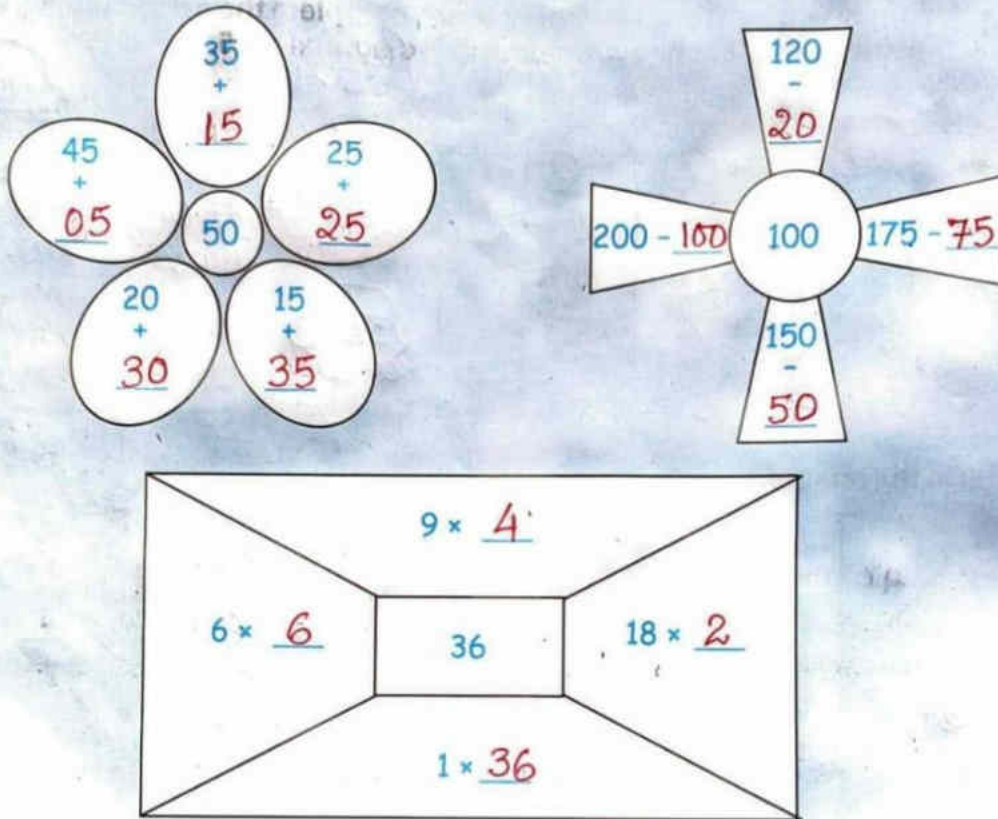
7. Fill in the missing number to complete the sequence:



8. Complete the Number towers:

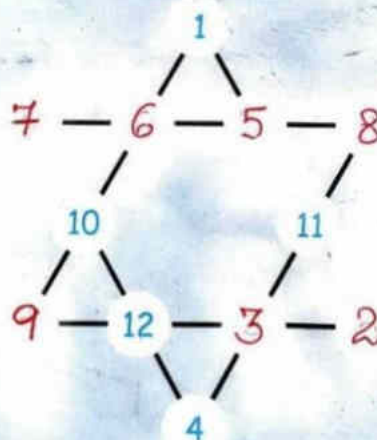


9. Reach the centre.



10. Hexagram

Write the numbers from 1 to 12 in such a way that the sum of each straight row of 4 circles is 26.



The above content has been absolutely prepared at home.