

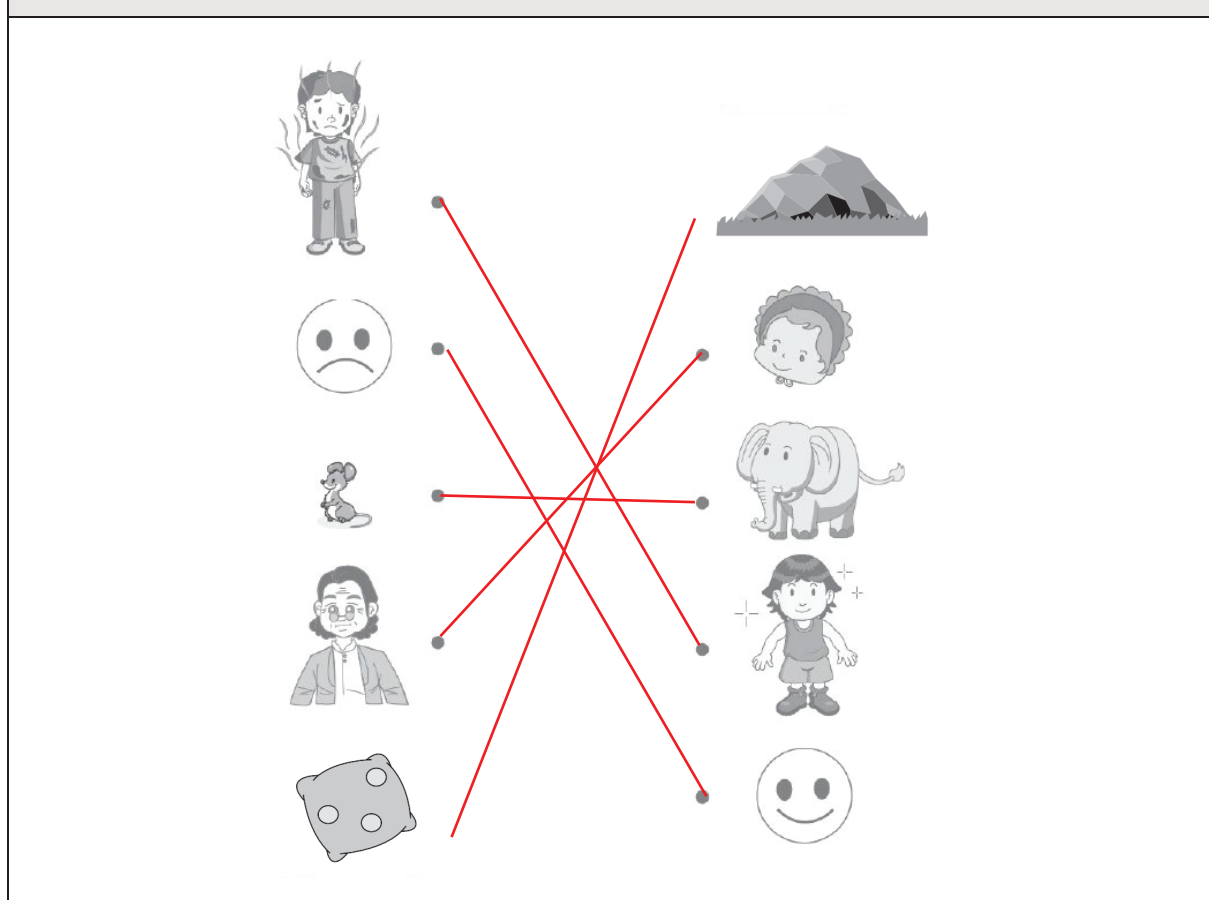
MATHEMATICAL MODELLING PROGRAMME ASSESSMENT ANSWER SHEET VERSION A (TERM 1)– 2020

Mathematical Modelling (Starters) – Version A

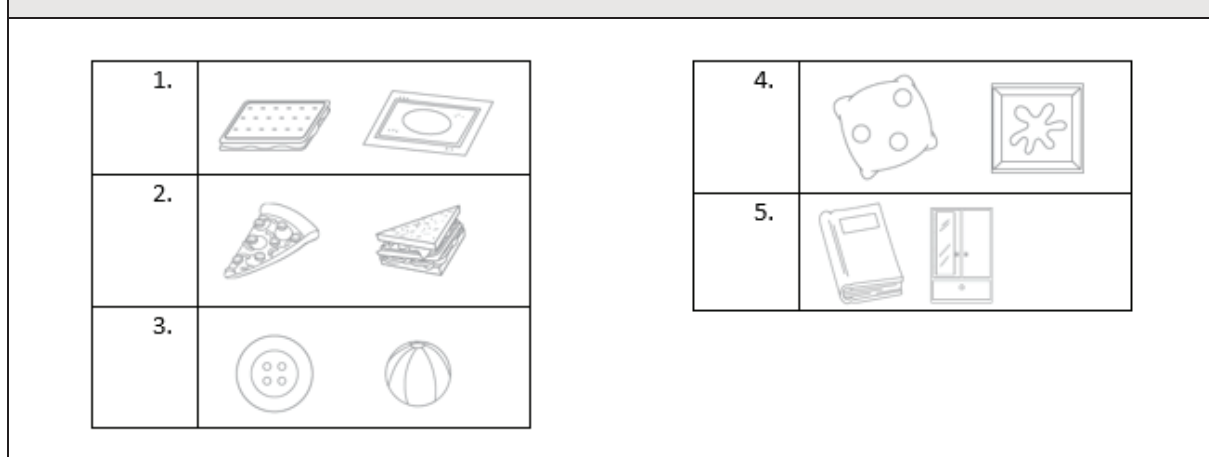
Part I



Part II



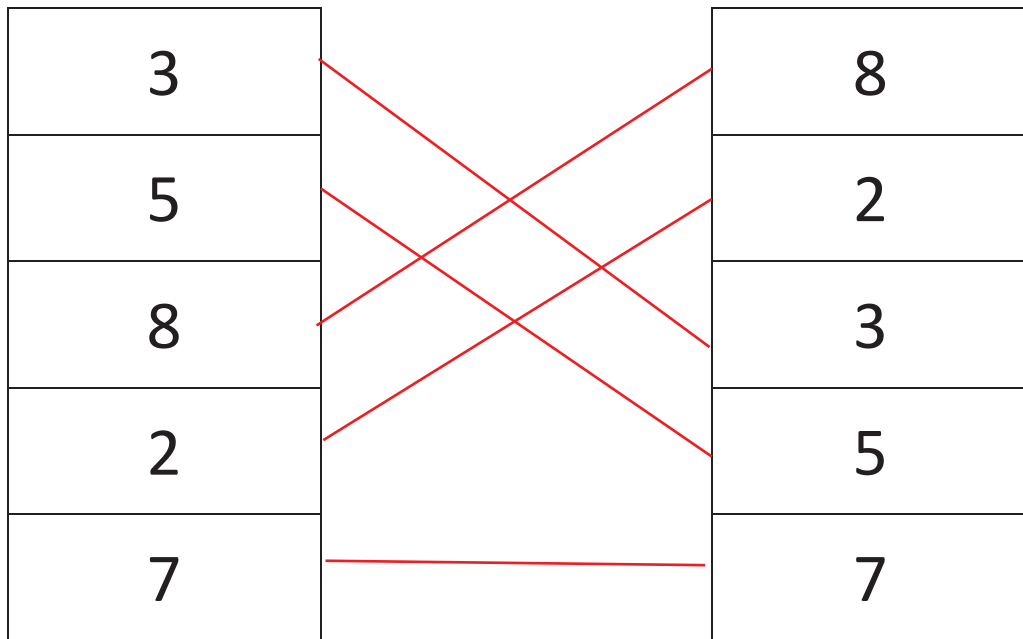
Part III



Part IV

1. 5
2. 2
3. 7
4. 3
5. 9

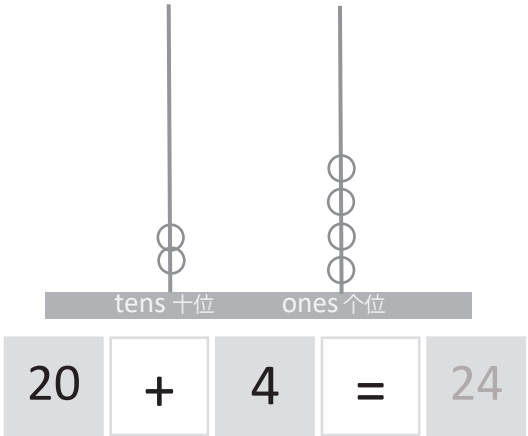
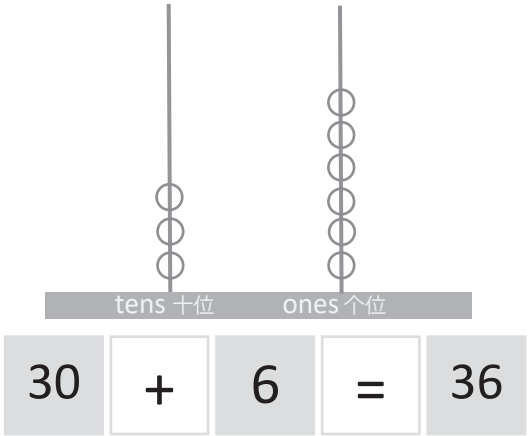
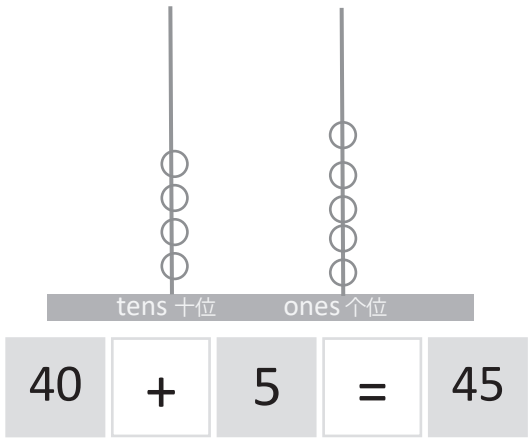
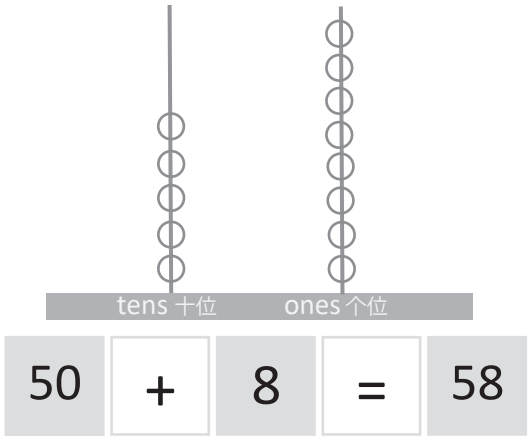
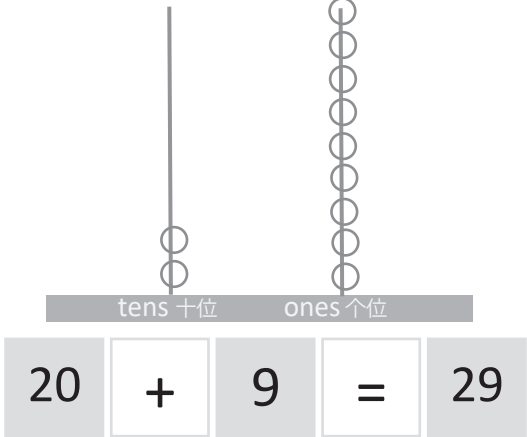
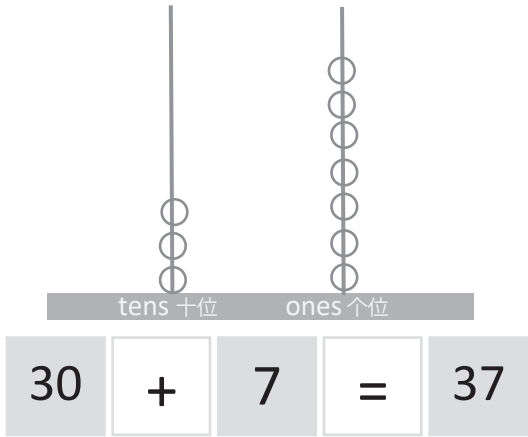
Part V



Mathematical Modelling (Level 1) – Version A

Part I				
				
Part II				
Part III				
1. =	2. ≠	3. ≠	4. =	5. ≠
Part IV				
1. four 四	2. ten 十	3. sixteen 十六	4. eleven 十一	5. twenty 二十
Part V				
2, 3, 6, 9, 11, 12, 14, 16, 18, 20				

Mathematical Modelling (Level 2) – Version A

Part I					
A:	1. 42	2. 49	3. 23	4. 31	5. 47
B:	1. 43	2. 51	3. 55	4. 22	5. 40
Part II					
A: 17, 45, 37, 13, 55					
B: 54, 22, 40, 38, 10					
Part III					
					
					
					

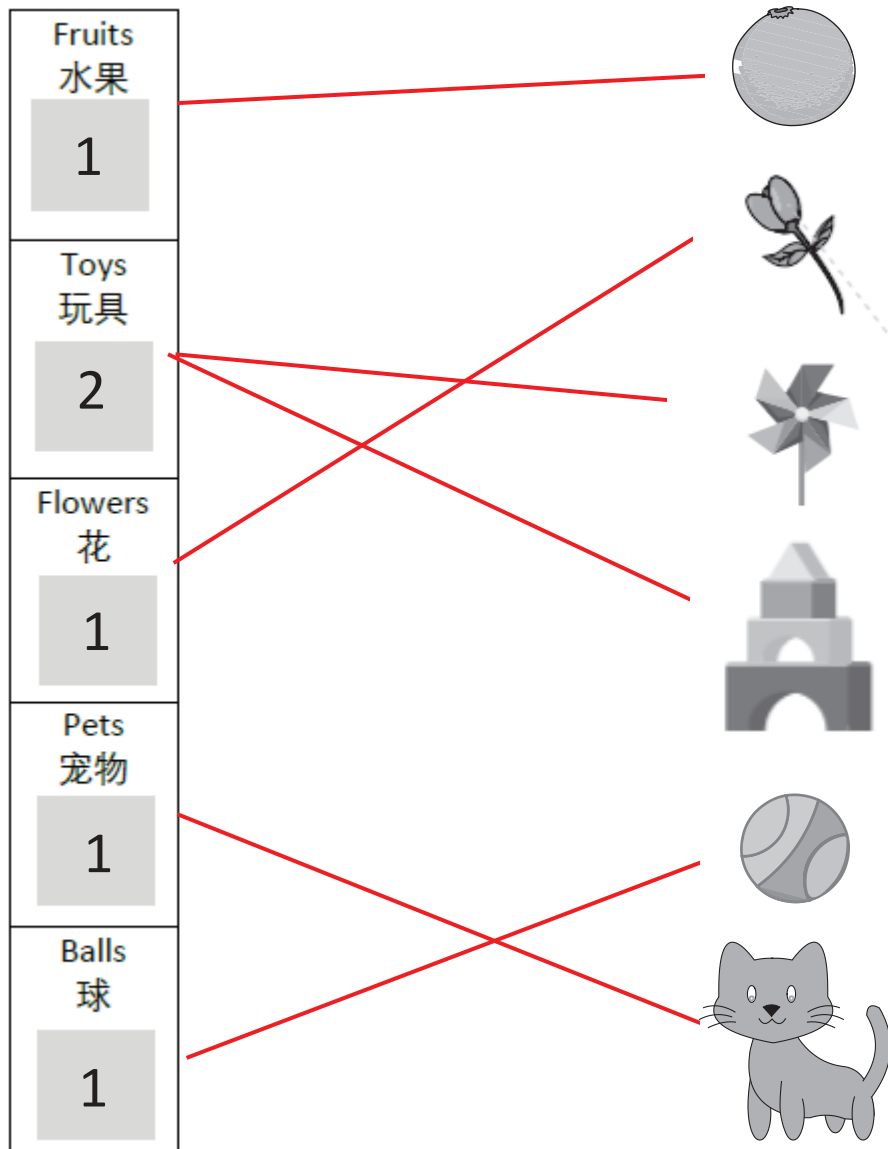
Part IV					
A:	1. 44	2. 52	3. 48	4. 28	5. 28
B:	1. 29	2. 26	3. 47	4. 43	5. 51
Part V					
1. 16	2. 10	3. 18	4. 12	5. 24	

MATHEMATICAL MODELLING PROGRAMME ASSESSMENT ANSWER SHEET

VERSION B (TERM 1)– 2020

Mathematical Modelling (Starters) – Version B

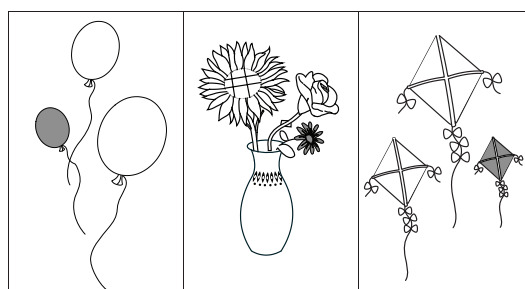
Part I



Part II

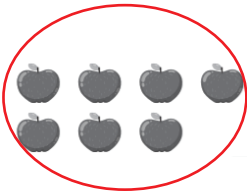
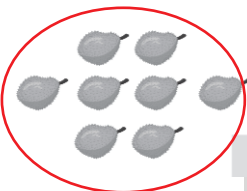
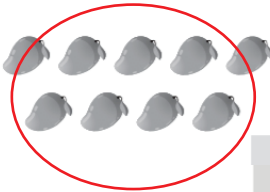
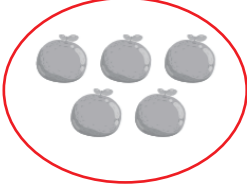
A. 2. Elephant

B.



Part III					
A:	1. 2, 3, 1 2. 1, 2, 3				
B:	1. 3, 2, 1, 2. 1, 3, 2				
Part IV					
1. 2	2. 5	3. 8	4. 4	5. 10	6. 1
Part V					
Candles: 4	Cake: 1	Cupcake: 3	Balloon: 8	Decoration: 1	
Sweets: 10	Candy: 3	Present: 6	Party Hat: 7	Drink: 9	

Mathematical Modelling (Level 1) – Version B

Part I				
 4	more 多	 5		
 7	less 少	 9		
 8	more 多	 7		
 9	more 多	 8		
 5	less 少	 6		
Part II				
1 2 3	2 2 4	4 4 8	5 2 7	4 6 10

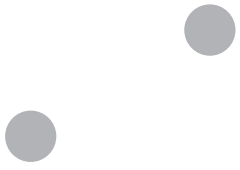
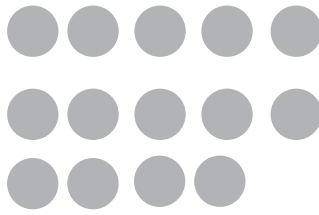
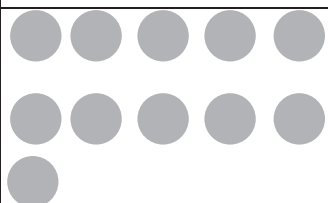
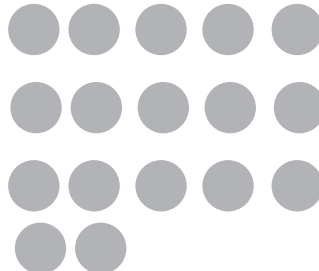
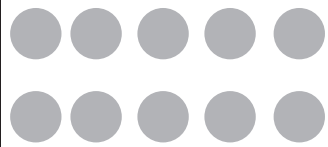
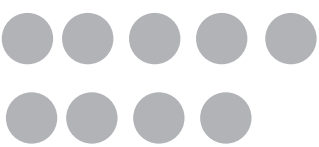
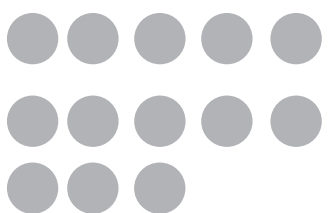
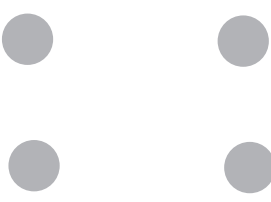
Part III

9 5 4	7 4 3
4 3 1	6 2 4
5 2 3	8 5 3

Part IV

- | | | | | |
|------|------|-------|-------|-------|
| 1. 7 | 2. 3 | 3. 11 | 4. 14 | 5. 12 |
|------|------|-------|-------|-------|

Part V

5		7		
2		14		
11		17		
10		9		
13		4		

Mathematical Modelling (Level 2) – Version B

Part I

$14 + 5 = 19$	$27 + 2 = 29$
$\begin{array}{r} 14 \\ + \\ \hline 19 \end{array}$	$\begin{array}{r} 27 \\ + \\ \hline 29 \end{array}$
$38 + 11 = 49$	$34 + 11 = 45$
$\begin{array}{r} 38 \\ + 11 \\ \hline 49 \end{array}$	$\begin{array}{r} 34 \\ + 11 \\ \hline 45 \end{array}$
$40 + 13 = 53$	$23 + 12 = 35$
$\begin{array}{r} 40 \\ + 13 \\ \hline 53 \end{array}$	$\begin{array}{r} 23 \\ + 12 \\ \hline 35 \end{array}$

Part II

e.g.

$$\begin{array}{r} 12 \\ + 7 \\ \hline 19 \end{array}$$

a.

$$\begin{array}{r} 25 \\ + 14 \\ \hline 39 \end{array}$$

b.

$$\begin{array}{r} 36 \\ + 10 \\ \hline 46 \end{array}$$

c.

$$\begin{array}{r} 42 \\ + 13 \\ \hline 55 \end{array}$$

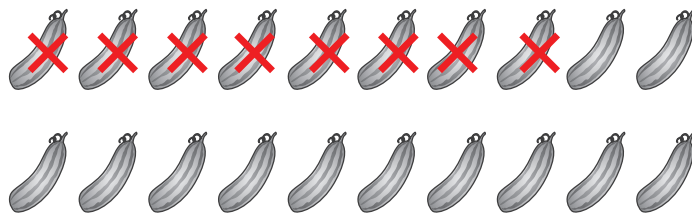
d.

$$\begin{array}{r} 26 \\ + 20 \\ \hline 46 \end{array}$$

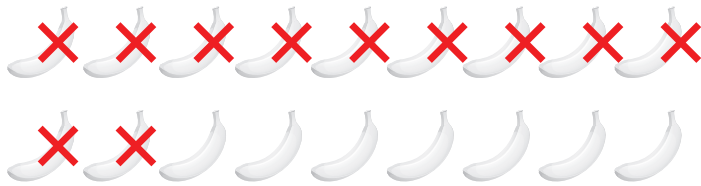
e.

$$\begin{array}{r} 30 \\ + 15 \\ \hline 45 \end{array}$$

Part III



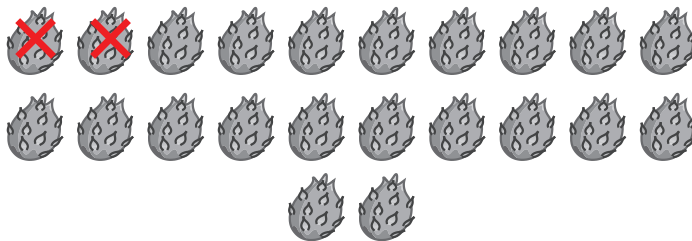
$$\begin{array}{r} 20 \\ - 8 \\ \hline 12 \end{array}$$



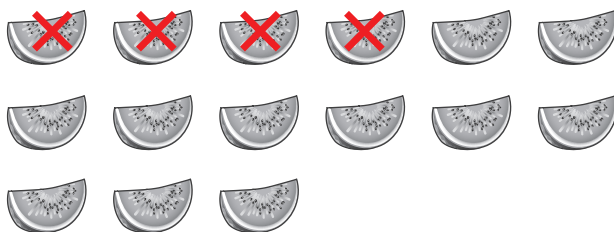
$$\begin{array}{r} 18 \\ - 10 \\ \hline 8 \end{array}$$



$$\begin{array}{r} 10 \\ - 4 \\ \hline 6 \end{array}$$



$$\begin{array}{r} 22 \\ - 2 \\ \hline 20 \end{array}$$



$$\begin{array}{r} 15 \\ - 4 \\ \hline 11 \end{array}$$

Part IV

a.

$$\begin{array}{r} 36 \\ - 23 \\ \hline 13 \end{array}$$

b.

$$\begin{array}{r} 18 \\ - 14 \\ \hline 4 \end{array}$$

c.

$$\begin{array}{r} 36 \\ - 14 \\ \hline 22 \end{array}$$

d.

$$\begin{array}{r} 42 \\ - 11 \\ \hline 31 \end{array}$$

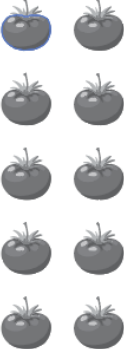
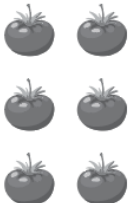
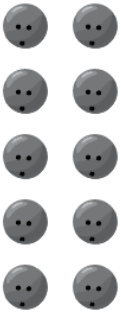
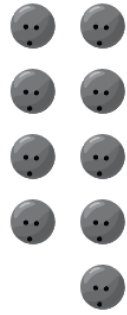
e.

$$\begin{array}{r} 39 \\ - 11 \\ \hline 28 \end{array}$$

f.

$$\begin{array}{r} 47 \\ - 15 \\ \hline 32 \end{array}$$

Part V

Example :   		  					
10	+	6	= 16	10	+	8	= 28
  		  					
10	+	5	= 15	10	+	7	= 17
  		  					
10	+	4	= 14	10	+	9	= 19