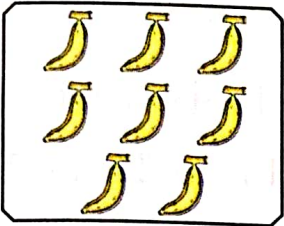
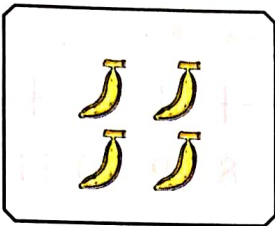
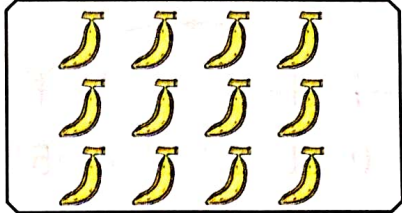
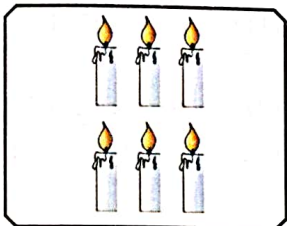
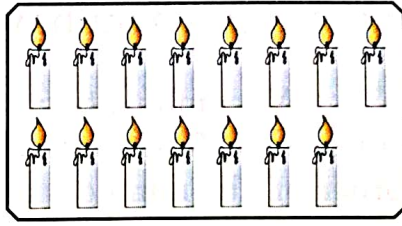


Exercise 3.1

1. Complete the addition.

(a)  +  = 
 $8 + 4 = 12$

(b)  +  = 
 $6 + 9 = 15$

2. Using the number strip, complete the addition fact.

(a) $3 + 4 = 7$ (b) $6 + 5 = 11$ (c) $9 + 11 = 20$
 (d) $3 + 7 = 10$ (e) $9 + 4 = 13$ (f) $11 + 9 = 20$
 (g) $7 + 5 = 12$ (h) $7 + 7 = 14$ (i) $3 + 20 = 23$
 (j) $5 + 7 = 12$ (k) $15 + 8 = 23$ (l) $20 + 3 = 23$

Note: Ask the children to make a number strip. Place your finger at the first given number. Count as many as required upto the second number starting from the finger. The last number is the sum.

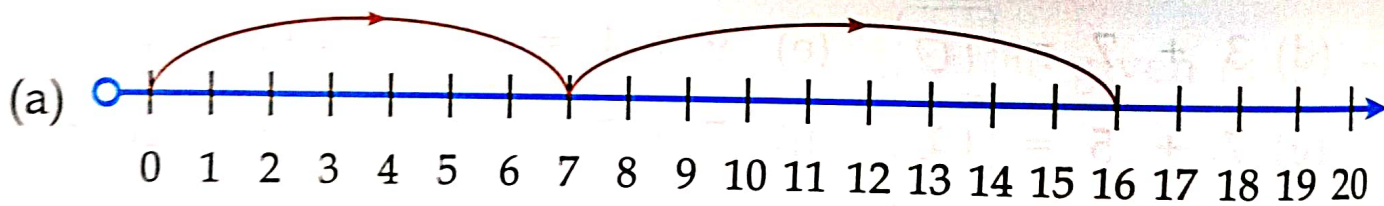
3. Match the addition fact.

(a) $3 + 5$ (i) $9 + 5$
 (b) $2 + 3$ (ii) $5 + 3$
 (c) $5 + 9$ (iii) $3 + 2$

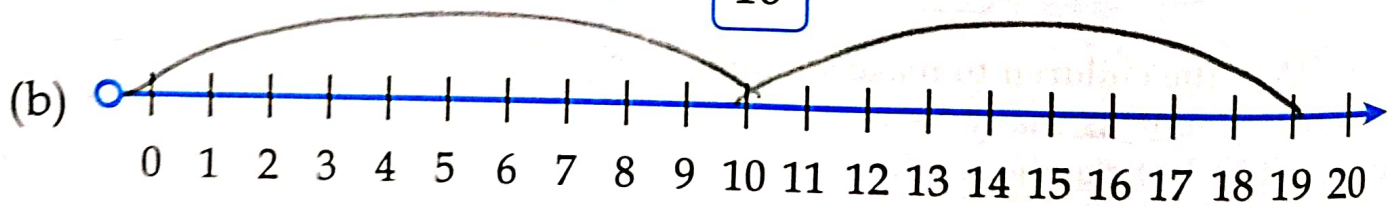
Matching lines: (a) to (iii), (b) to (ii), (c) to (i).

Exercise 3.2

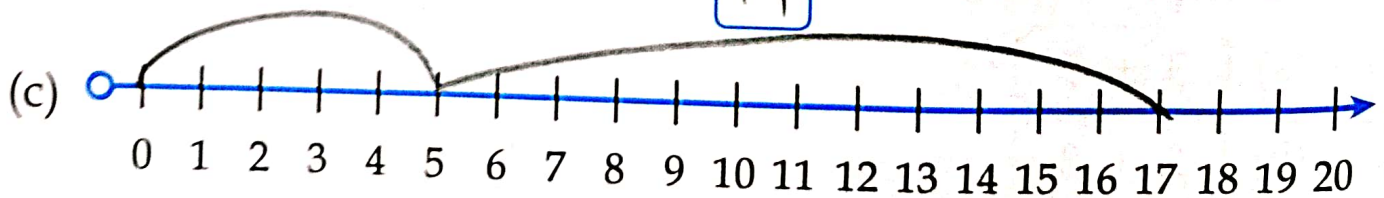
1. Using the number line, find the sum.



$$7 + 9 = \boxed{16}$$



$$10 + 9 = \boxed{19}$$



$$5 + 12 = \boxed{17}$$

Exercise 3.3

1. Complete the table.

Numeral	Number name	Hundreds	Tens	Ones
451	four hundred fifty one	400	50	1
256	Two hundred fifty six	200	50	6
989	Nine hundred eighty nine	900	80	9
111	One hundred eleven	100	10	1
925	Nine hundred twenty-five	900	20	5
655	Six hundred fifty-five	600	50	5
301	Three hundred one	300	00	1
510	Five hundred ten	500	10	0

Exercise 3.5

1. Add the numbers using abacus.

(a) 37 and 45

(b) 27 and 65

(c) 17 and 38

(d) 325 and 415

(e) 275 and 260

(f) 473 and 488

2. Add the numbers (with carrying).

(a)
$$\begin{array}{r} \text{T} \quad \text{O} \\ \textcircled{4} \quad 7 \\ + \quad 3 \quad 9 \\ \hline 8 \quad 6 \end{array}$$

(b)
$$\begin{array}{r} \text{T} \quad \text{O} \\ \textcircled{7} \quad 6 \\ + \quad 1 \quad 9 \\ \hline 9 \quad 5 \end{array}$$

(c)
$$\begin{array}{r} \text{T} \quad \text{O} \\ \textcircled{3} \quad 4 \\ + \quad 5 \quad 6 \\ \hline 9 \quad 0 \end{array}$$

(d)
$$\begin{array}{r} \text{T} \quad \text{O} \\ \textcircled{2} \quad 6 \\ + \quad 3 \quad 8 \\ \hline 6 \quad 4 \end{array}$$

(e)
$$\begin{array}{r} \text{T} \quad \text{O} \\ \textcircled{5} \quad 7 \\ + \quad 3 \quad 4 \\ \hline 9 \quad 1 \end{array}$$

(f)
$$\begin{array}{r} \text{T} \quad \text{O} \\ \textcircled{9} \quad 6 \\ + \quad 2 \quad 7 \\ \hline 1 \quad 2 \quad 3 \end{array}$$

(g)
$$\begin{array}{r} \text{T} \quad \text{O} \\ \textcircled{3} \quad 8 \\ + \quad 6 \quad 4 \\ \hline 1 \quad 0 \quad 2 \end{array}$$

(h)
$$\begin{array}{r} \text{T} \quad \text{O} \\ \textcircled{7} \quad 6 \\ + \quad 2 \quad 4 \\ \hline 1 \quad 0 \quad 0 \end{array}$$

(i)
$$\begin{array}{r} \text{T} \quad \text{O} \\ 8 \quad 4 \\ + \quad 2 \quad 8 \\ \hline 1 \quad 1 \quad 2 \end{array}$$

3. Add the numbers (with carrying).

(a)
$$\begin{array}{r} \text{T} \quad \text{O} \\ \textcircled{2} \quad 7 \\ 3 \quad 5 \\ + \quad 1 \quad 9 \\ \hline 8 \quad 1 \end{array}$$

(b)
$$\begin{array}{r} \text{T} \quad \text{O} \\ \textcircled{2} \quad 3 \quad 7 \\ 3 \quad 9 \\ + \quad 1 \quad 4 \\ \hline 9 \quad 0 \end{array}$$

(c)
$$\begin{array}{r} \text{T} \quad \text{O} \\ \textcircled{1} \quad 5 \\ 2 \quad 5 \\ + \quad 3 \quad 9 \\ \hline 7 \quad 9 \end{array}$$

$$\begin{array}{r}
 \text{(d)} \quad \begin{array}{r} \text{T} \quad \text{O} \\ 3 \quad 2 \\ 2 \quad 3 \\ + 3 \quad 5 \\ \hline 9 \quad 0 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(e)} \quad \begin{array}{r} \text{T} \quad \text{O} \\ 1 \quad 2 \\ 7 \quad 7 \\ + 2 \quad 9 \\ \hline 11 \quad 8 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(f)} \quad \begin{array}{r} \text{T} \quad \text{O} \\ 4 \quad 5 \\ 3 \quad 2 \\ + 6 \quad 7 \\ \hline 14 \quad 4 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(g)} \quad \begin{array}{r} \text{T} \quad \text{O} \\ 1 \quad 5 \\ 7 \quad 7 \\ + 8 \quad 8 \\ \hline 18 \quad 0 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(h)} \quad \begin{array}{r} \text{T} \quad \text{O} \\ 3 \quad 6 \\ 3 \quad 7 \\ + 3 \quad 9 \\ \hline 11 \quad 2 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(i)} \quad \begin{array}{r} \text{T} \quad \text{O} \\ 8 \quad 2 \\ 4 \quad 5 \\ + 1 \quad 8 \\ \hline 14 \quad 5 \end{array}
 \end{array}$$

4. Add the numbers (with carrying).

$$\begin{array}{r}
 \text{(a)} \quad \begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 3 \quad 8 \quad 2 \\ + 2 \quad 2 \quad 9 \\ \hline 6 \quad 1 \quad 1 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(b)} \quad \begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 3 \quad 0 \quad 8 \\ + 1 \quad 4 \quad 5 \\ \hline 4 \quad 5 \quad 3 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(c)} \quad \begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 5 \quad 5 \quad 5 \\ + 2 \quad 3 \quad 9 \\ \hline 7 \quad 9 \quad 4 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(d)} \quad \begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 2 \quad 8 \quad 4 \\ + 5 \quad 0 \quad 8 \\ \hline 7 \quad 9 \quad 2 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(e)} \quad \begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 3 \quad 3 \quad 8 \\ + 2 \quad 9 \quad 7 \\ \hline 6 \quad 3 \quad 5 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(f)} \quad \begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 8 \quad 5 \quad 6 \\ + 1 \quad 3 \quad 9 \\ \hline 9 \quad 9 \quad 5 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(g)} \quad \begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 3 \quad 5 \quad 5 \\ + 2 \quad 7 \quad 3 \\ \hline 6 \quad 2 \quad 8 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(h)} \quad \begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 1 \quad 7 \quad 7 \\ + 2 \quad 9 \quad 9 \\ \hline 4 \quad 7 \quad 6 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(i)} \quad \begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 2 \quad 7 \quad 3 \\ + 1 \quad 5 \quad 8 \\ \hline 4 \quad 3 \quad 1 \end{array}
 \end{array}$$