Class: 3   Subject: Mathematics   Topic: Unit 3

Work to be done

Warm up
Exercise 3A – Q1 (a, c, f) in book; b, d, e as HW
Addition of 4-digit numbers without carrying
Exercise 3A – Q2 (a, c, e, g, i), Q3, Q4 (a, d) in copy.
Properties of addition
Exercise 3A – Q5 in book
Exercise 3B Q(1, 4 and 5 in copy
Addition of 4-digit numbers with carrying
Exercise 3C – Q1(a, d, e, g) in book; Remaining HW. Q2 (a, d) in copy.
Exercise 3D – Q(1, 2, 4, 7) in copy.

Exercise 3A

1. (a)
Th	H	T	O
	2	5	0	3
+	3	2	1	4
	5	7	1	7

(b)
Th	H	T	O
	4	6	3	2
+	3	1	4	5
	7	7	7	7

(c)
Th	H	T	O
	4	1	3	7
+	2	8	5	2
	6	9	8	9

(d)
Th	H	T	O
	3	4	1	0
+	6	5	8	9
	9	9	9	9

(e)
TH	H	T	O
	7	5	4	2
+	1	4	3	7
	8	9	7	9

(f)
TH	H	T	O
	4	8	3	5
+	5	1	4	3
	9	9	7	8

2. (a) 4599   (b) 5395   (c) 5555   (d) 7756   (e) 8764
     (f) 8285   (g) 8765   (h) 3934   (i) 9788

3.

$$
\begin{array}{r}
2\ 3\ 1\ 4 \\
1\ 2\ 3\ 4 \\
+\ 3\ 1\ 4\ 1 \\
\hline
6\ 6\ 8\ 9 \\
\hline
\end{array}
$$

So, the sum of 2314, 1234 and 3141 is 6689.

4. (a)

$$
\begin{array}{r}
8\ 2\ 3\ 1 \\
+\ \ \ \ 4\ 3\ 2 \\
2\ 3 \\
\hline
8\ 6\ 8\ 6 \\
\hline
\end{array}
$$

(b)

$$
\begin{array}{r}
3\ 1\ 2\ 3 \\
+\ 4\ 5\ 1\ 4 \\
1\ 3\ 3\ 0 \\
\hline
8\ 9\ 6\ 7 \\
\hline
\end{array}
$$

(c)

$$
\begin{array}{r}
5\ 0\ 0\ 0 \\
+\ 1\ 9\ 0\ 0 \\
2\ 0\ 9\ 0 \\
\hline
8\ 9\ 9\ 0 \\
\hline
\end{array}
$$

(d)

$$
\begin{array}{r}
6\ 5\ 4\ 3 \\
+\ 1\ 2\ 2\ 1 \\
1\ 0\ 1\ 2 \\
\hline
8\ 7\ 7\ 6 \\
\hline
\end{array}
$$

5. (a) 3845 + 0 = <u>3845</u>   (b) 6192 + <u>0</u> = 6192

(c) 8134 + 1213 = 1213 + <u>8134</u>

(d) 6000 + 190 + 2120 = 2120 + 190 + <u>6000</u>

Exercise 3B

1.

$$
\begin{array}{r}
1123 \\
+2315 \\
\hline
3438 \\
\hline
\end{array}
$$

So, the length of rope after joining is 3438 metres.

2. Number of items produced on Monday = 3712

Number of items produced on Tuesday = 4135

Total items produced in two days = 7847.

$$
\begin{array}{r}
3712 \\
+\ 4135 \\
\hline
7847 \\
\hline
\end{array}
$$

3. Number of packets of flavoured milk   =   4325

Number of packets of flavoured yoghurt   = + 1620

Total packets   =   <u>5945</u>

4. Number of eggs produced in 1st day   =   1205

Number of eggs produced in 2nd day   =   1453

Number of eggs produced in 3rd day   = + 2131

Total number of eggs produced   =   <u>4789</u>

5.

Cost of portable TV	=	₹	3	1	4	5
Cost of mixer grinder	=	₹	2	5	0	0
Cost of iron	=+	₹		3	3	4
Total cost	=	₹	5	9	7	9

Thus, She paid ₹ 5979.

Exercise-3C

1. **(a)**

Th	H	T	O
	①	①	
	2	3	4	5
+	6	8	7	4
	9	2	1	9

(b)

Th	H	T	O
①	①	①	
5	6	3	7
+ 2	4	9	5
8	1	3	2

(c)

Th	H	T	O
①			
3	9	7	5
+ 1	1	1	2
5	0	8	7

(d)

Th	H	T	O
①	①	①	
4	7	6	9
+ 2	5	8	7
7	3	5	6

(e)

Th	H	T	O
	①	①	
6	3	5	7
2	4	5	9
+	1	2	3
8	9	3	9

(f)

Th	H	T	O
	①	②	
4	7	8	9
2	1	5	6
+		3	7
6	9	8	2

(g)

Th	H	T	O
	②	①	
7	1	6	5
	3	7	4
+		9	5
7	6	3	4

(h)

Th	H	T	O
①		①	
2	3	4	5
1	2	3	4
+ 4	7	1	9
8	2	9	8

2. (a) 1990 + 2000 + 2014

```
      Th  H  T  O
          ①  ①
       1  9  9  0
       2  0  0  0
    +  2  0  1  4
    ─────────────
       6  0  0  4
```

(b) 3726 + 634 + 135

```
      Th  H  T  O
          ①     ①
       3  7  2  6
          6  3  4
    +     1  3  5
    ─────────────
       4  4  9  5
```

(c) 63 + 378 + 5437

```
      Th  H  T  O
          ①  ①
       5  4  3  7
          3  7  8
    +        6  3
    ─────────────
       5  8  7  8
```

(d) 8887 + 654 + 19

```
      Th  H  T  O
      ①  ①  ②
       8  8  8  7
          6  5  4
    +        1  9
    ─────────────
       9  5  6  0
```

Exercise 3D

```
                              ①  ①  ①
1. No. of DVDs of Hindi films      =     3  6  7  4
   No. of DVDs of English films    =  +  2  7  4  8
                                     ─────────────
   Total no. of DVDs               =     6  4  2  2
```

```
                                        ①  ①
2. Rahul travelled a distance from home  =  4 7 8 2 km
   He came back to home covering distance =  4 7 8 2 km
                                          ────────────
   Total distance covered by him        =  9 5 6 4 km
```

3.

	①	①	①	
No. of apple juice bottles =	2	6	4	8
No. of orange juice bottles =	3	3	1	4
No. of grapes juice bottles =	1	4	5	2
Total no. of juice bottles =	7	4	1	4

4.

	①	②	①	
No. of men in the village =	3	1	9	2
No. of women in the village =	2	9	3	5
No. of children in the village = +	1	5	7	4
Total population =	7	7	0	1

5.

	②	①	①	
No. of books of fiction =	3	4	7	1
No. of books of non-fiction =	2	9	8	1
No. of books of other subjects = +	1	6	0	8
Total no. of books =	8	0	6	0

6.

	①	①	②	
No. of coconut trees =	1	7	6	5
No of tamarind trees =	2	3	4	7
No. of plants = +		4	7	8
Total no. of plants and trees =	4	5	9	0

7.

	①	①	①	
Cost of washing machine =	₹ 6	8	9	9
Cost of microwave = +	₹ 2	6	4	5
Total money paid =	₹ 9	5	4	4