

1. Let Us Revise

1. a. 9 is the **greatest** one-digit number.
b. 10 is the **smallest** two-digit number.
c. 100 is the smallest **3-digit** number.
d. **999** is the largest 3-digit number.
2. a. Two hundred Fifty two.
c. Eight hundred nineteen.
3. a. 786 b. 569
4. a. 202 220
c. 89 98
e. 63 36
g. 483 392
5. a. 5 b. 900
e. 100 f. 60
6. a. $300 + 80 + 4$ b. $300 + 0 + 5$
c. 90 + 4 d. $300 + 10 + 2$
7. a. 21, 32, 42, 69, 96
c. 123, 214, 363, 412, 598
8. a. 22 b. 15 c. 200
d. 888 e. 534 f. 50
9. a. 4, 9, 7 **479** **974** b. 3, 0, 7 **307** **730**
10. a. 120, 220, 320, **420, 520, 620**
c. 225, 250, 275, **300, 325, 350**
11. a.

5	6
+	4
3	
9	
9	

 b.

6	3	1
+	1	7
9		
8		
1		
0		

 c.

4	3	8
-	4	9
3		
8		
9		

 d.

5	5	5
-	1	6
6		
3		
8		
9		

12. a.

3	2
×	4
1	
2	
8	

 b.

3	8
×	7
2	
6	
6	

 c.

9	0
×	6
5	
4	
0	

 d.

3	4
×	5
1	
7	
0	
13. a.

8
4 $\overline{)32}$
- 32
0

 b.

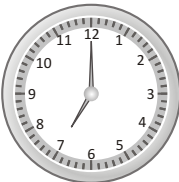
8
6 $\overline{)48}$
- 48
0

 c.

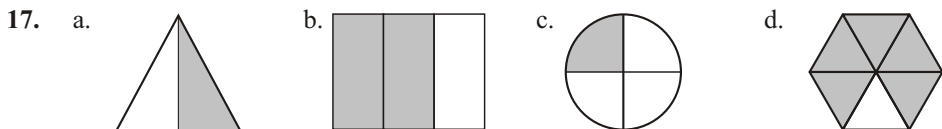
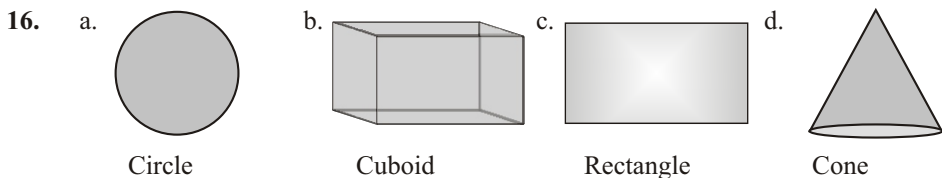
7
3 $\overline{)21}$
- 21
0

 d.

7
9 $\overline{)63}$
- 63
0

14. a.  b.  c. 

15. a.
$$\begin{array}{r} \text{₹} \quad \text{p} \\ 5.25 \\ + 3.15 \\ \hline 8.40 \end{array}$$
 b.
$$\begin{array}{r} \text{₹} \quad \text{p} \\ 23.17 \\ + 42.23 \\ \hline 65.40 \end{array}$$
 c.
$$\begin{array}{r} \text{₹} \quad \text{p} \\ 26.75 \\ - 18.15 \\ \hline 8.60 \end{array}$$
 d.
$$\begin{array}{r} \text{₹} \quad \text{p} \\ 21.35 \\ - 12.05 \\ \hline 9.30 \end{array}$$



18. a. $\frac{2}{4}$ b. $\frac{2}{8}$ c. $\frac{3}{6}$ d. $\frac{10}{12}$

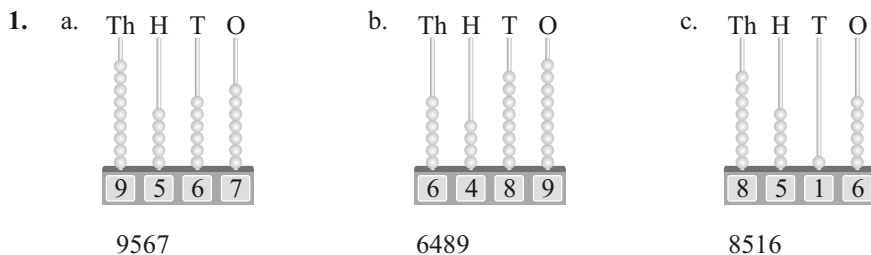
19. a. John bought a jug ₹ 100
Lemon ₹ 20.35
Sugar ₹ 12.75
he spend 100.00
$$\begin{array}{r} 20.35 \\ + 12.75 \\ \hline 43.10 \end{array}$$

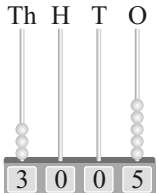
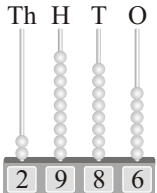
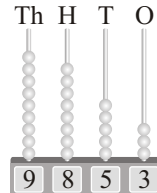
he spend ₹ 43.10
- b. Relay team = 4 runners
Each runner ran = 50 m
Length of the track 50 4 200m
Length of track is 200 m.
- c. Vidhi had 156 pencils
She gave = 28 pencils
Pencils are left with her
$$\begin{array}{r} 156 \\ - 28 \\ \hline 128 \end{array}$$

128 pencils are left with her.

2. Numbers upto 10,000

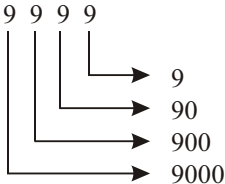
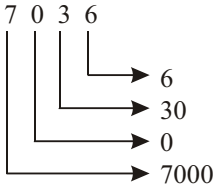
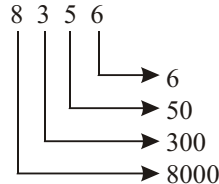
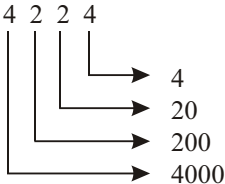
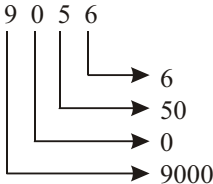
Exercise 2.1



2. a.  Three thousand five
- b.  Two thousand nine hundred eighty six
- c.  Nine thousand eight hundred fifty three
3. 3,6,4,9 3649, Three thousand six hundred forty nine
4. a. Eight thousand Fifteen
b. Nine thousand two hundred eighty seven
c. Six thousand five
d. Eight thousand one hundred sixty one
e. Six thousand one hundred seventy one
5. a. 2005 b. 8098 c. 5003 d. 3032 e. 6006 f. 9089

Exercise 2.2

1.

	Number	Place-value	Face-value
a.	45 ● 2	60	6
b.	● 124	9000	9
c.	6 ● 19	300	3
d.	50 ● 7	90	9
2. b.  c.  d. 
- e.  f. 
3. a. 2345 2000 300 40 5 b. 9075 9000 0 70 5
c. 9187 9000 100 80 7 d. 6459 6000 400 50 9
e. 9356 9000 300 50 6
4. a. 3508 b. 2942 c. 8426 d. 4043
e. 5206

Exercise 2.3

1. a. 1000 b. 3495 c. 10,000 d. 5470 e. 8091 f. 9543
2. a. 7999 b. 2508 c. 8900 d. 3403 e. 2724 f. 8144

3.		Successor	Predecessor
a.	8971	8972	8970
b.	3994	3995	3993
c.	7899	7900	7898
d.	2463	2464	2462

Exercise 2.4

1. a. > b. > c. < d. > e. = f. <
2. a. 6183, 6234, 6789, 6885

b. 1108, 1800, 8001, 8108

c. 2583, 3668, 4818, 5615

d. 9005, 9589, 9889, 9959
3. a. 3885, 2038, 2018, 1358

b. 8900, 8100, 8010, 8009

c. 2210, 2001, 1122, 1002

d. 9950, 9555, 5599, 5109

Logical Maths

Complete the number strips :

2312	2313	2314	2315	2316	2317	2318	2319	2320	2321
5487	5488	5489	5490	5491	5492	5493	5494	5495	5496

Exercise 2.5

- Greatest

Smallest

a. 8543

3458
- Greatest

Smallest

b. 7640

4067
- c. 8751

1578

d. 5431

1345
- e. 9530

3059

f. 7643

3467

Exercise 2.6

1. a. 9010, 9015, 9020, 9025, 9030, 9035

b. 3337, 3342, 3347, 3352, 3357, 3362
2. a. 3190, 3200, 3210, 3220, 3230, 3240

b. 7153, 7163, 7173, 7183, 7193, 7203
3. a. 7593, 7693, 7793, 7893, 7993, 8003

b. 8605, 8705, 8805, 8905, 9005, 9105
4. a. 3350, 4350, 5350, 6350, 7350, 8350

b. 2170, 3170, 4170, 5170, 6170, 7170

Exercise 2.7

1. a. 10 b. 20 c. 220 d. 50 e. 220 f. 390 g. 190 h. 670
2. 40

Exercise 2.8

1. 211 327 **534** **644** 817 **456**

1025 **3564** 5283 **8478** **2612** 6847
2. 226 **287** 384 **467** 586 **877**

1560 **2657** 4698 **5879** **7893** 9734

MCQ's

1. c. 2. a. 3. b

Worksheet

1. 8356 2. 5744, 6347 3. 6347, 9123 4. 8172, 1287 5. 5744, 6347, 8172, 9123, 1287, 8356

3. Roman Numerals

Exercise 3.1

1. a. I b. IX c. VII d. X e. IV
2. a. Roman number system b. V, B D c. I, X, C d. 3
3. a. II b. IX c. IV d. VIII
4. a. IV b. X c. VI d. V

MCQ's

1. b 2. b 3. a 4. a

Worksheet

Do it yourself.

Formative Assesment-1

1. a 2. c 3. a 4. a 5. b 6. c 7. b 8. c 9. b 10. c

4. Addition

Exercise 4.1

1. a.

	H	T	O
		5	2
+		3	5
		8	7
- b.

	H	T	O
		①	
		3	6
+		1	8
		5	4
- c.

	H	T	O
		4	2
+		2	7
		6	9
- d.

	H	T	O
	1	3	8
+	3	6	1
	4	9	9
- e.

	H	T	O
	2	4	5
+	4	2	3
	6	6	8
- f.

	H	T	O
	6	7	1
+	1	1	8
	7	8	9
- g.

	H	T	O
		①	
	1	0	6
+	4	0	8
	5	1	4
- h.

	H	T	O
	①	①	
	3	7	8
+	2	2	4
	6	0	2
- i.

	H	T	O
	①	①	
	5	6	3
+	3	4	9
	9	1	2

Exercise 4.2

- a. $818 + 1 = 819$ b. $0 + 931 = 931$
c. $4212 + 0 = 4212$ d. $1300 + 1 = 1301$
e. $1514 + 307 = 307 + 1514$ f. $2916 + 500 = 500 + 2916$

Exercise 4.3

1. a.

	Th	H	T	O
	4	1	5	3
+	1	3	4	2
	5	4	9	5
- b.

	Th	H	T	O
	3	5	3	3
+	2	1	6	3
	5	6	9	6
- c.

	Th	H	T	O
	2	2	3	7
+	5	3	1	1
	7	5	4	8
- d.

	Th	H	T	O
	5	6	8	2
+	3	2	0	6
	8	8	8	8

e.	<table border="1"><tr><th>Th</th><th>H</th><th>T</th><th>O</th></tr><tr><td>3</td><td>4</td><td>2</td><td>3</td></tr><tr><td colspan="4">+ 5 3 6 5</td></tr><tr><td colspan="4"> </td></tr><tr><td>8</td><td>7</td><td>8</td><td>8</td></tr></table>	Th	H	T	O	3	4	2	3	+ 5 3 6 5								8	7	8	8	f.	<table border="1"><tr><th>Th</th><th>H</th><th>T</th><th>O</th></tr><tr><td>7</td><td>5</td><td>4</td><td>1</td></tr><tr><td colspan="4">+ 1 2 4 7</td></tr><tr><td colspan="4"> </td></tr><tr><td>8</td><td>7</td><td>8</td><td>8</td></tr></table>	Th	H	T	O	7	5	4	1	+ 1 2 4 7								8	7	8	8	g.	<table border="1"><tr><th>Th</th><th>H</th><th>T</th><th>O</th></tr><tr><td>4</td><td>4</td><td>7</td><td>1</td></tr><tr><td colspan="4">+ 1 3 0 0</td></tr><tr><td colspan="4"> </td></tr><tr><td>5</td><td>7</td><td>7</td><td>1</td></tr></table>	Th	H	T	O	4	4	7	1	+ 1 3 0 0								5	7	7	1	h.	<table border="1"><tr><th>Th</th><th>H</th><th>T</th><th>O</th></tr><tr><td>9</td><td>0</td><td>3</td><td>2</td></tr><tr><td colspan="4">+ 0 9 6 7</td></tr><tr><td colspan="4"> </td></tr><tr><td>9</td><td>9</td><td>9</td><td>9</td></tr></table>	Th	H	T	O	9	0	3	2	+ 0 9 6 7								9	9	9	9
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Exercise 4.4

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e.

Th	H	T	O
①	①	①	
3	2	3	5
+ 5	5	8	3
8	8	1	8

f.

Th	H	T	O
①	①	①	
1	9	9	9
+ 6	3	9	9
8	3	9	8

g.

Th	H	T	O
①	①	①	
4	1	1	0
3	9	8	7
+	5	2	7
8	6	2	4

h.

Th	H	T	O
①	①		
3	1	7	5
4	2	5	0
+ 1	7	5	0
9	1	7	5

Exercise 4.5

- | | | | |
|---------|---------|---------|---------|
| a. 92 | b. 967 | c. 1249 | d. 2188 |
| e. 1631 | f. 817 | g. 8414 | h. 8679 |
| i. 5357 | j. 7117 | k. 5215 | l. 8007 |
| m. 9659 | n. 8000 | | |

Logical Maths

5749			8144			3060		
5739	+	10	8134	+	10	3050	+	10
5639	+	100	8034	+	110	2960	+	100
4749	+	1000	7144	+	1000	2060	+	1000

Exercise 4.6

	Th	H	T	O
1. School A student	3	1	9	4
School B student	+	2	9	9
Total student	6	1	9	7

So, 6197 students are there in all.

	Th	H	T	O
2. Mango trees	2	4	6	0
Apple tree	3	7	0	9
Peach tree	+	3	1	6
Total tree	9	3	3	4

So, 9334 trees in the orchard.

	Th	H	T	O
3. First week sells eggs	2	8	5	6
Second week sells eggs	+	1	4	8
	4	3	4	4

So, 4344 eggs sell in super market.

	Th	H	T	O
4. People went to see the cricket match	3	3	8	0
People went to see the hockey match	+	3	4	9
Total went to see match	6	8	7	7

	Th	H	T	O
5. Students travel by Car	1	1	1	
travel by bus	1	4	0	5
Walk to school	3	4	8	5
	+	9	6	9
	5	8	5	9

Exercise 4.7

a.

Th	H	T	O
3	0	2	1
+	1	3	5
4	3	7	8

In the one column = $\square + 7 = 8$ on 8 7 1
 In the tens column = $2 + \square = 7$ on 7 2 5
 In hundreds column = $\square + 3 = 3$ or 3 3 0
 In thousand column = $3 + 1 = 4$

b.

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

c.

Th	H	T	O
3	4	2	0
+	6	3	6
9	7	8	5

d.

Th	H	T	O
3	5	8	0
+	3	0	0
6	5	8	9

Steps

In one column 8 9 1
 In tens column 7 2 5
 In hundred column 7 4 3
 In thousand column 8 5 3

Steps

In one column ____ 5 5 5 5 0
 In tens column 2 ____ 8 8 2 6
 In hundred column 4 3 7
 In thousand column 3 ____ 9 9 3 6

Step

In one column ____ 9 9 9 0
 tens column 8 0 8
 In hundred column 5 ____ 5 5 5 0
 In thousand column ____ 3 6 6 3 3

MCQ's

1. b 2. a 3. a 4. b 5. a

Worksheet

1. c 2. a 3. a 4. b 5. f 6. e

Activity in Maths Lab

H	T	O
2	3	2
+	4	2
6	5	8

5. Subtraction

Exercise 5.1

a.

T	O
5	6
— 2	4
3	2

b.

T	O
8	8
— 4	7
4	1

c.

H	T	O
8	4	9
— 3	3	4
5	1	5

d.

H	T	O
7	7	7
— 5	6	4
2	1	3

Exercise 5.2

a.	$96 - 0 = \mathbf{96}$	b.	$225 - 1 = \mathbf{224}$	c.	$900 - 900 = \mathbf{0}$
d.	$998 - 0 = \mathbf{998}$	e.	$607 - \mathbf{607} = 0$	f.	$843 - 1 = \mathbf{842}$

Exercise 5.3

1. a.

Th	H	T	O
3	7	5	9
− 2	4	0	2
1	3	5	7

b.

Th	H	T	O
6	4	6	7
− 2	4	3	1
4	0	3	6

c.

Th	H	T	O
4	6	1	8
− 3	5	1	7
1	1	0	1

d.

Th	H	T	O
9	9	9	9
− 2	2	2	2
7	7	7	7

e.

Th	H	T	O
4	7	3	2
− 2	2	1	0
2	5	2	2

f.

Th	H	T	O
5	5	3	8
− 4	1	2	4
1	4	1	4

g.

Th	H	T	O
5	6	5	6
− 3	3	3	3
2	3	2	3

h.

Th	H	T	O
9	4	5	6
− 5	1	4	6
4	3	1	0

2. a.

Th	H	T	O
6	3	6	8
− 3	3	6	5
3	0	0	3

b.

Th	H	T	O
2	9	9	7
− 2	8	8	5
1	1	2	

c.

Th	H	T	O
6	7	3	1
− 4	3	2	0
2	4	1	1

d.

Th	H	T	O
5	6	6	5
− 4	4	4	5
1	2	2	0

e.

Th	H	T	O
9	9	9	8
− 8	7	8	7
1	2	1	1

f.

Th	H	T	O
9	8	1	0
− 5	7	0	0
4	1	1	0

Exercise 5.4

1. a.

Th	H	T	O
○	②	⑫	⑭
4	3	3	4
—	2	2	3
2	0	9	7

b.

Th	H	T	O
○	○	⑥	⑰
5	9	7	7
—	3	4	5
2	5	1	9

c.

Th	H	T	O
○	⑤	⑮	⑩
7	8	7	8
—	4	4	9
3	1	7	3

d.

Th	H	T	O
⑧	⑮	⑬	⑬
9	8	4	8
—	6	9	5
2	9	8	9

e.

Th	H	T	O
○	⑤	⑮	⑮
8	8	7	8
—	5	5	8
3	0	8	6

f.

Th	H	T	O
⑦	⑮	⑪	⑭
8	4	2	4
—	6	6	9
1	7	2	7

g.

Th	H	T	O
⑦	⑫	⑰	⑮
8	8	8	8
—	4	6	9
3	6	8	7

h.

Th	H	T	O
④	⑪	⑰	⑫
5	2	8	2
—	2	9	8
2	2	9	6

2. a.

Th	H	T	O	
8	7	9	4	
-	7	6	5	4
1	1	4	0	
- b.

Th	H	T	O	
6	9	9	17	
7	8	8	7	
-	4	6	7	9
2	3	2	8	
- c.

Th	H	T	O	
5	9	10		
8008	/			
-	4	6	9	3
1	3	1	2	
- d.

Th	H	T	O	
2	12	9	10	
3	8	8	8	
-	2	3	1	5
9	8	5		
- e.

Th	H	T	O	
	5	12	14	
7	8	8	4	
-	2	0	4	8
5	5	8	6	
- f.

Th	H	T	O	
3	9	10		
4	8	8	8	
-	2	8	1	0
1	1	9	0	

Exercise 5.5

- a.

Th	H	T	O	
4	11	3	10	
8	8	4	0	
-	3	5	0	5
1	6	3	5	

 $\rightarrow$

Th	H	T	O	
1				
1	6	3	5	
+	3	5	0	5
5	1	4	0	
- b.

Th	H	T	O	
7	9	9	10	
8	8	8	8	
-	6	4	6	5
1	5	3	5	

 $\rightarrow$

Th	H	T	O	
1	1	1		
1	5	3	5	
-	6	4	6	5
8	0	0	0	
- c.

Th	H	T	O	
7	12	14		
8	8	4	8	
-	5	7	5	2
2	5	9	6	
- d.

Th	H	T	O	
4	11	14	13	
8	2	8	8	
-	1	6	6	5
3	5	8	8	
- e.

Th	H	T	O	
3	14	2	11	
4	8	8	8	
-	3	7	1	6
8	1	5		
- f.

Th	H	T	O	
5	10	11	10	
8	8	2	8	
-	4	2	6	1
1	8	5	9	

Exercise 5.6

1.

	Th	H	T	O	
Total motors sells	3	16	16	13	
Maruti cars sold	4	8	8	7	
Hyundai cars sold	-	2	9	8	7
	1	7	8	6	
2.

	Th	H	T	O	
Suresh scored runs			7	10	
Rahul scored runs	1	5	8	8	
	-	1	3	0	9
		2	7	1	

Suresh scored 271 more runs.

3.

Th	H	T	O	
		7	15	
3	8	8	8	
-	1	7	3	8
2	1	4	7	

4. Ratna gave the shopkeeper
Ratna purchase book and clothes for
She will get money back

	Th	H	T	O
₹	2	9	9	10
	2	9	9	10
₹	2	9	5	4
			4	6

5. School library has books
Number of books in Hindi
Remaining Books books

	Th	H	T	O
	8	12	15	15
	8	12	15	15
	4	7	8	6
	4	5	7	9

Exercise 5.7

1. a.

Th	H	T	O	
3	2	5	7	
-	1	1	4	5
	2	1	1	2
- b.

Th	H	T	O	
7	6	4	9	
-	6	5	2	9
	1	1	2	0
- c.

Th	H	T	O	
6	6	5	7	
-	1	4	2	1
	5	2	3	6
- d.

Th	H	T	O	
7	9	5	6	
-	0	4	3	0
	7	5	2	6

- Step 1 :** In the ones column 7 2 5
Step 2 : In the tens column 5 1 4
Step 3 : In the hundred column 2 1 1
Step 4 : In the thousand column 3 2 1
- Step 1 :** In the ones column 9 9 0
Step 2 : In the tens column 4 2 2
Step 3 : In the hundred column 6 5 1
Step 4 : In the thousands column 7 6 1
- Step 1 :** In the ones column 7 1 6
Step 2 : In the tens column 5 2 3
Step 3 : In the hundred column 6 4 2
Step 4 : In thousand column 6 1 5
- Step 1 :** In the ones column 6 0 6
Step 2 : In the tens column 5 3 2
Step 3 : In the hundreds column 9 4 5
Step 4 : In the thousand column 7 0 7

Exercise 5.8

- a. 92 27
Now, 27 20 7
Step a. 92 20 72
Step b. 72 7 65
So, 92 27 65
- c. 71 43
Now, 43 40 3
Step a. 71 40 31
Step b. 31 3 28
So, 71 43 28
- b. 301 38
Now 38 30 8
Step a. 301 30 271
Step b. 271 8 263
So, 301 38 263
- d. 214 53
Now 53 50 3
Step a. 214 50 164
Step b. 164 3 161
So, 214 53 161

e. 397 155
 Now, 155 150 5
Step a. 397 150 247
Step b. 247 5 242
 So, 397 155 242

f. 434 252
 Now 252 200 52
Step a. 434 200 234
Step b. 234 52 182
 So 434 252 182

Exercise 5.9

		Th	H	T	O	
1.	Shama collected Red beads		2	5	1	5
	Blue beads	+	3	0	7	5
	Total beads		5	5	9	0

	Th	H	T	O
	①	⑪	⑨	⑩
2. A book pages	2	2	8	8
Read pages	— 1	5	7	5
Pages are left to be read		6	2	5

	Th	H	T	O	
	①	①	①		
3. Bottles of orange drink	1	2	5	7	
Bottles of lemon drink	+	8	7	8	
Total bottles		2	2	3	5

	Th	H	T	O	
		⑥	⑬		
4. Anita's mother bank Account	8	7	2	0	
She takes out	— 5	5	5	0	
Money is left in her Bank account		3	1	8	0

	Th	H	T	O
	⑥	⑨	⑨	⑩
5. Total number of seats in the stadium	7	8	8	8
People came to watch	— 5	8	2	5
Seats were empty				
	1	1	7	5

MCQ's

1. b 2. b 3. b 4. a 5. a

Worksheet

- | | | | |
|--------|--------|--------|--------|
| 1. (a) | 2. (b) | 3. (c) | 4. (e) |
| 5. (g) | 6. (d) | 7. (h) | 8. (f) |

6. Multiplication

Exercise 6.1

1. a. $4 + 4 + 4 + 4 = 16$, $4 \times 4 = 16$
 b. $2 + 2 + 2 + 2 + 2 + 2 = 12$, $6 \times 2 = 12$
2. b. $3 \times 3 = 3 + 3 + 3 = 9$
 c. $5 \times 9 = 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 45$
 d. $6 \times 2 = 6 + 6 = 12$
 e. $7 \times 7 = 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 = 49$

3. a.

T	O
7	
$\times$	3
2	1

 b.

T	O
8	
$\times$	2
1	6

 c.

T	O
2	3
$\times$	4
9	2

 d.

T	O
1	3
$\times$	5
6	5

Exercise 6.2

- a. $256 \times 1 = 256$
- b. $25 \times 18 \times 13 = 13 \times 25 \times 18$
- c. $664 \times 1 = 664$
- d. $987 \times 0 = 0$
- e. $900 \times 0 = 0$
- f. $82 \times 6 \times 42 = 6 \times 42 \times 82$
- g. $7 \times 4 = 4 \times 7$
- h. $100 \times 5 = 5 \times 100$

Exercise 6.3

1. a.

H	T	O
3	4	4
$\times$		2
6	8	8

 b.

H	T	O
2	0	2
$\times$		4
8	0	8

 c.

H	T	O
3	3	3
$\times$		3
9	9	9

 d.

H	T	O
3	4	2
$\times$		2
6	8	4
2. a.

Th	H	T	O
	3		
	3	1	9
$\times$			4
1	2	7	6

 b.

Th	H	T	O
	4	5	
	9	6	8
$\times$			7
6	7	7	6

 c.

Th	H	T	O
	3		
	5	1	6
$\times$			5
2	5	8	0

 d.

Th	H	T	O
	4	4	
	6	5	5
$\times$			8
5	2	4	0
3. a.

H	T	O
1	2	3
$\times$		3
3	6	9

 b.

H	T	O
2	0	4
$\times$		2
4	0	8

 c.

H	T	O
1	1	2
$\times$		3
3	3	6

 d.

H	T	O
1	1	1
$\times$		5
5	5	5
- e.

Th	H	T	O
	1		
	6	2	5
$\times$			3
1	8	7	5

 f.

Th	H	T	O
	2		
	3	1	5
$\times$			5
1	5	7	5

 g.

Th	H	T	O
	1	1	
	1	6	8
$\times$			2
3	3	6	

 h.

Th	H	T	O
	1	2	
	4	2	7
$\times$			4
1	7	0	8

Exercise 6.4

1. a.

Th	H	T	O
2	3	1	3
×			3
6	9	3	9

 b.

Th	H	T	O
1	0	3	2
×			2
2	0	6	4

 c.

Th	H	T	O
2	4	1	3
×			1
2	4	1	3

 d.

Th	H	T	O
1	2	4	3
×			2
2	4	8	6

2. a.

Th	H	T	O
②	①	②	○
2	7	5	9
×			3
8	2	7	7

 b.

Th	H	T	O
①	①	①	○
1	7	9	8
×			2
3	5	9	6

 c.

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

 d.

Th	H	T	O
②	②	④	○
1	3	4	7
×			6
8	0	8	2

3. a.

Th	H	T	O
2	2	2	2
×			3
6	6	6	6

 b.

Th	H	T	O
1	2	1	4
×			2
2	4	2	8

 c.

Th	H	T	O
○	⑤	④	○
1	0	8	7
×			6
6	5	2	2

- d.

Th	H	T	O
②	②	○	○
2	7	8	2
×			3
8	3	4	6

 e.

Th	H	T	O
③	③	①	○
1	6	7	2
×			5
8	3	6	0

 f.

Th	H	T	O
○	○	①	○
3	0	1	8
×			2
6	0	3	6

Exercise 6.5

1. Do it yourself.
2. a. $18 \times 7 = 126$ b. $16 \times 4 = 80$ c. $19 \times 8 = 152$
 d. $7 \times 15 = 105$ e. $13 \times 4 = 52$ f. $15 \times 9 = 135$
 g. $12 \times 8 = 96$ h. $5 \times 12 = 60$ i. $3 \times 19 = 57$
 j. $6 \times 18 = 106$ k. $17 \times 3 = 51$ l. $9 \times 16 = 144$

Exercise 6.6

1. a. $17 \times 10 = 170$ b. $19 \times 100 = 1900$ c. $43 \times 100 = 4300$
 d. $2 \times 1000 = 2000$ e. $35 \times 10 = 350$ f. $8 \times 100 = 800$
2. a. $6 \times 20 = 120$ b. $3 \times 30 = 90$ c. $12 \times 50 = 600$
 d. $25 \times 600 = 15000$ e. $45 \times 400 = 18000$ f. $65 \times 700 = 45500$

Exercise 6.7

1. a.

H	T	O
①	○	
2	6	
×		1 2
5	2	
+ 2	6	×
3	1	2

 b.

H	T	O
③	○	
1	6	
×		1 5
8	0	
+ 1	6	×
2	4	0

 c.

H	T	O
①	○	
5	4	
×		1 3
1	6	2
+ 5	4	×
7	0	2

 d.

H	T	O
⑦	○	
4	9	
×		3 8
3	9	2
+ 1	4	7 ×
1	8	6 2

2. a.

Th	H	T	O
		7	8
	×	2	4
		3	1 2
+ 1	5	6	×
	1	8	7 2
- b.

H	T	O
	4	8
×	1	7
	3	3 6
+ 4	8	×
	8	1 6
- c.

Th	H	T	O
		6	9
	×	2	6
		4	1 4
+ 1	6	8	×
	1	7	9 4
- d.

Th	H	T	O
		8	5
	×	1	9
		7	6 5
+ 8	5	×	
	1	6	1 5
- e.

Th	H	T	O
		9	2
	×	3	7
		6	4 4
+ 2	7	6	×
	3	4	0 4
- f.

Th	H	T	O
		3	5
	×	7	4
		1	4 0
+ 2	4	5	×
	2	5	9 0
- g.

Th	H	T	O
		6	7
	×	5	6
		4	0 2
+ 3	3	5	×
	3	7	5 2
- h.

Th	H	T	O
		7	5
	×	5	8
		6	0 0
+ 3	7	5	×
	4	3	5 0
- i.

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

Exercise 6.8

1. a.

Th	H	T	O
	2	4	5
	×	1	6
	1	4	7 0
+ 2	4	5	×
	3	9	2 0
- b.

Th	H	T	O
	4	6	5
	×	2	1
	4	6	5
+ 9	3	0	×
	9	7	6 5
- c.

Th	H	T	O
	3	1	9
	×	1	5
	1	5	9 5
+ 3	1	9	×
	4	7	8 5
- d.

Th	H	T	O
	1	8	4
	×	2	6
	1	1	0 4
+ 3	6	8	×
	4	7	8 4
2. a.

Th	H	T	O
	6	3	4
	×	1	5
	3	1	7 0
+ 6	3	4	×
	9	5	1 0
- b.

Th	H	T	O
	3	7	2
	×	2	6
	2	2	3 2
+ 7	4	4	×
	9	6	7 2
- c.

Th	H	T	O
	7	6	3
	×	1	2
	1	5	2 6
+ 7	6	3	×
	9	1	5 6
- d.

Th	H	T	O
	1	8	4
	×	3	7
	1	2	8 8
+ 5	2	2	×
	6	8	0 8
- e.

Th	H	T	O
	3	7	2
	×	1	8
	2	9	7 6
+ 3	7	2	×
	6	6	9 6
- f.

Th	H	T	O
	8	1	2
	×	1	1
	8	1	2
+ 8	1	2	×
	8	9	3 2

Exercise 6.9

1. Number of trees in a forest 212
 Number of birds live on each tree 7
 Number of birds live all trees 212 7 1484
 Thus, there are 1484 bird in all trees.

Th	H	T	O
	2	1	2
×			7
	1	4	8 4