Junior Maths

3

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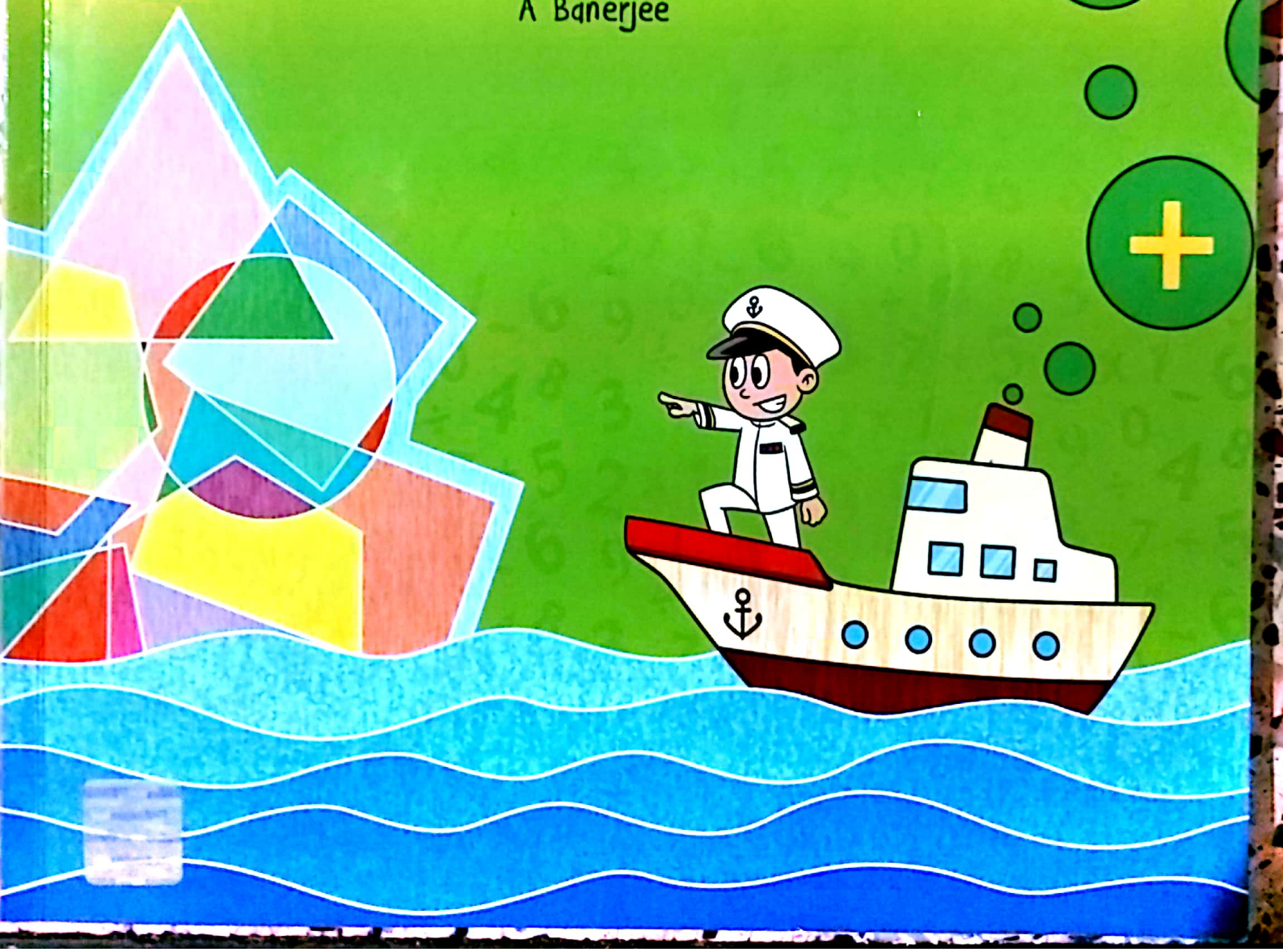

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1. Review of Numbers up to 999

We use the digits 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 to write numbers.
Numbers have one or more digits.
Numbers like 0, 3, 6 and 8 have just one digit. They are one-digit numbers.
Numbers like 10, 19, 52 and 97 are two-digit numbers.
100, 207, 563, 729 and 987 are some three-digit numbers.

Exercise 1A

Fill in.

The smallest one-digit number is 0. The largest (greatest) one-digit number is ____ .
The largest two-digit number is 99. The smallest two-digit number is ____.
The smallest three-digit number is _____. The greatest three-digit number is _____.

Write 461 to 480.

Write 891 to 910.

Fill in.

525 526 527 ____ ____ ____ ____ ____ ____

____ 782 783 ____ 785 ____ ____ ____ ____

352 351 350 ____ ____ ____ ____ ____ ____

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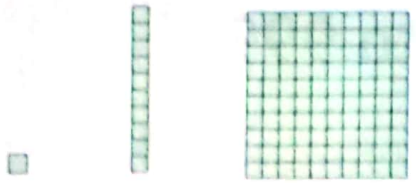
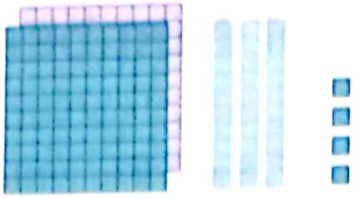


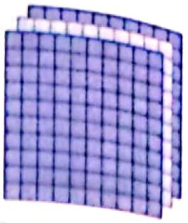
one

10 ones
= 1 ten

10 tens
= 1 hundred



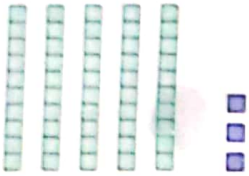
2 hundreds + 3 tens + 4 ones
= 200 + 30 + 4 = 234

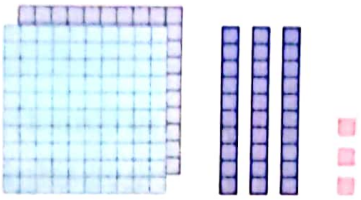


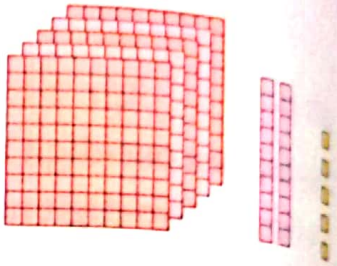
3 hundreds + 0 tens + 2 ones
= 300 + 0 + 2 = 302

Exercise 1B

Write the numbers.







Fill in.

853 = 8 hundreds + 5 tens + 3 ones

362 = __ hundreds + __ tens + __ ones

108 = __ hundreds + __ tens + __ ones

420 = __ hundreds + __ tens + __ ones

123 = __ hundreds + __ tens + __ ones

75 = __ hundreds + __ tens + __ ones

941 = __ hundreds + __ tens + __ ones

638 = __ hundreds + __ tens + __ ones

Write in the short form.

200 + 10 + 8 =	218
300+ 40 + 5 =	
400 + 0 + 8 =	
60 + 3 =	
800 + 20 + 0 =	

Write in the expanded form.

932 =	900 + 30 + 2
753 =	
39 =	
104 =	
690 =	

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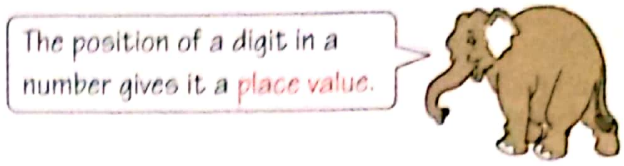
462 = 4 hundreds + 6 tens + 2 ones
= 400 + 60 + 2



Place value	Place value	Place value
400	60	2
	462	

Exercise 1C

Fill in.

Number	Digit	Place value	Digit	Place value	Digit	Place value
276	2	200	7	70	6	6
672	6		7		2	
726	6		7		2	
67	6		7			
983	8		9		3	
435	4		3		5	
102	1		0		2	

Write in words.

732 seven hundred and thirty-two

158

872

503

246

663

777

463

601

480

737

946

358

860

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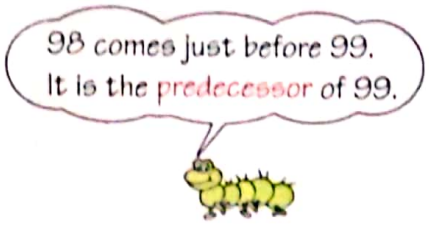

98 99 100

Exercise 1D

Write the predecessor (the number before):

____ 52	____ 90	____ 111	____ 257	____ 300
____ 538	____ 649	____ 70	____ 860	____ 909

Write the successor (the number after):

79 ____	169 ____	200 ____	352 ____	468 ____
307 ____	430 ____	729 ____	887 ____	945 ____

Write the number between:

67 ____ 69 199 ____ 201 109 ____ 111 758 ____ 760 920 ____ 922

Continue the pattern.

472	476	480				
540	560	580				
950	900	850				

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To compare numbers, compare left to right. If the digits at a place are equal, compare the digits at the next place on the right.

H	T	O	H	T	O
	5	3		5	3

T: 5 = 5 O: 3 = 3

53 = 53

H	T	O	H	T	O
4	2	7	5	0	2

H: 4 < 5

427 < 502

H	T	O	H	T	O
6	7	5	6	5	7

H: 6 = 6 T: 7 > 5

675 > 657

H	T	O	H	T	O
8	3	7	8	3	9

H: 8 = 8 T: 3 = 3 O: 7 < 9

837 < 839

H	T	O	H	T	O
1	6	3		9	9

H: 1 > 0

163 > 99

Exercise 1E

Write >, < or =.

721 > 45 83 ○ 49 76 ○ 97 7 ○ 13 89 ○ 98

703 ○ 356 98 ○ 389 145 ○ 45 467 ○ 439

876 ○ 786 371 ○ 371 256 ○ 562 316 ○ 306 714 ○ 114

438 ○ 438 533 ○ 583 975 ○ 957 666 ○ 999

Ring the smallest and tick the largest.

26	281	(15)	342 ✓	79	324
51	57	41	29	45	63
251	132	746	893	425	638
926	526	426	26	126	726

777	707	177	17	771	770
658	672	645	639	619	627
165	162	164	169	167	161
521	125	975	512	957	251

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Write in ascending order (from the smallest to the largest).

40	20	10	60	80	50
23	15	72	65	38	44
458	851	589	578	854	815
653	685	635	658	697	679
902	920	29	92	290	209

Write in descending order (from the largest to the smallest).

438	519	284	209	290	765
356	275	194	419	653	527
489	894	733	337	373	984
652	526	715	749	480	634
129	902	328	497	664	504

Fill in.

In the week, _____ is the fifth day.

F is the sixth letter of the alphabet and _____ is the eighth letter.

J is the _____ letter of the alphabet and L is the _____ letter

In MATHEMATICS, H is the _____ letter and C is the _____ letter

In WORKSHEETS, the letter T comes _____ and H comes _____

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Do and Learn

Aim Making three-digit numbers

Things needed Cards numbered 0–9, sheets of paper, pencil

Do and Learn

1. Draw a table with three columns.
   Write hundreds, tens and ones, as shown.

2. Place a digit card in each column. Write down the number formed. Then change the places of the digits and write down the numbers formed.

hundreds	tens	ones
1	4	7

3. With 3 different digits (no zeros), you can make 6 three-digit numbers.
   For example, with 1, 4 and 7 you can make 147, 174, 417, 471, 741 and 714.
   Make three-digit numbers with some other digits.

When one digit is zero

4. Take the digits 5, 0 and 8.
   You cannot have 0 in the hundreds place because that gives a two-digit number. (058 is 58 and 085 is 85.)
   The three-digit numbers that you can make are 508, 580, 805 and 850.

Making the greatest number from three digits

5. Take the digits 4, 2 and 9.
   The greatest (largest) number will have the most hundreds and tens.
   So, arrange the digits in descending order, with the greatest digit at the hundreds place.
   The number is 942.

hundreds	tens	ones
9	4	2

Making the smallest number from three digits

6. The smallest number formed with 4, 2 and 9 will have the least hundreds and tens.
   So, arrange the digits in ascending order, with the smallest digit at the hundreds place.
   The number formed is 249.

hundreds	tens	ones
2	4	9

What if one or more digits are zeros?
Place them after the next-smallest digit.
The smallest number with 0, 2 and 9 is 209.

hundreds	tens	ones
2	0	9

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Exercise 1F

Make three-digit numbers using the given digits.

8, 2, 5	825	852	582	528	285	258
9, 3, 6						
1, 7, 5						
4, 9, 8						
6, 4, 2						
3, 6, 9						
1, 0, 4	104	140	401	410	X	X
9, 5, 0						
8, 2, 7						
0, 4, 8						

Make three-digit numbers and fill in.

Digits	Smallest number	Greatest number
8, 0, 6	608	860
7, 1, 5		
6, 5, 2		
9, 2, 4		
5, 4, 0		
6, 3, 9		
0, 8, 9		

Digits	Smallest number	Greatest number
4, 5, 0		
9, 7, 8		
3, 1, 6		
0, 4, 2		
5, 7, 6		
8, 2, 4		
3, 5, 4		

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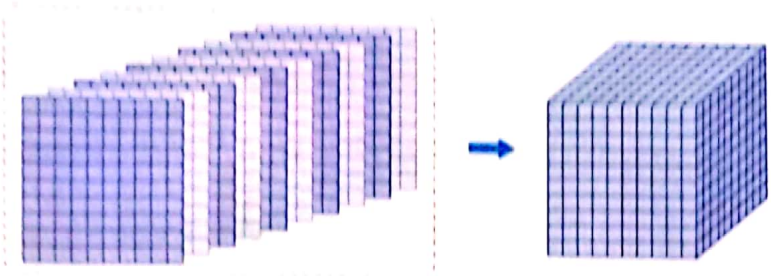
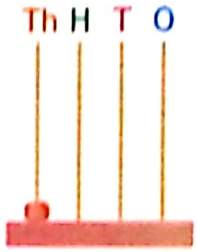
2. Four-digit Numbers

1 hundred (100)



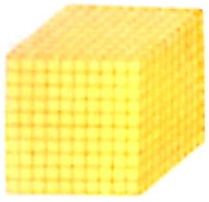
10 hundreds = 1 thousand (1000)

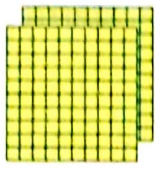


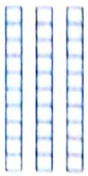
1000

999 is the greatest 3-digit number.
999 + 1 = 1000.
1000 is the smallest 4-digit number.
9999 is the greatest 4-digit number.

Th → thousands place

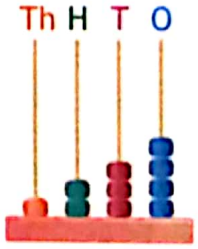


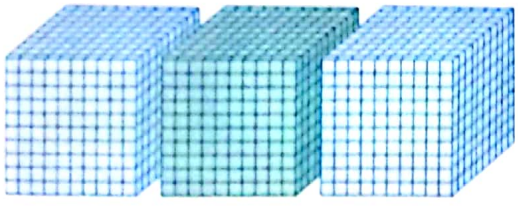


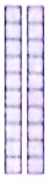


1 thousand + 2 hundreds + 3 tens + 4 ones
= 1000 + 200 + 30 + 4 =

Th	H	T	O
1	2	3	4

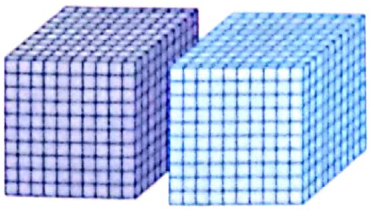


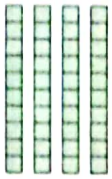




3 thousands + 1 hundred + 2 tens + 6 ones
= 3000 + 100 + 20 + 6 =

Th	H	T	O
3	1	2	6





2 thousands + 0 hundreds + 4 tens + 5 ones
= 2000 + 0 + 40 + 5 =

Th	H	T	O
2	0	4	5

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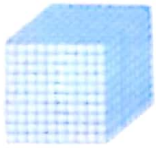
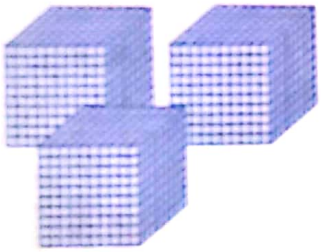
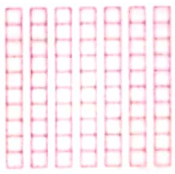
Exercise 2A

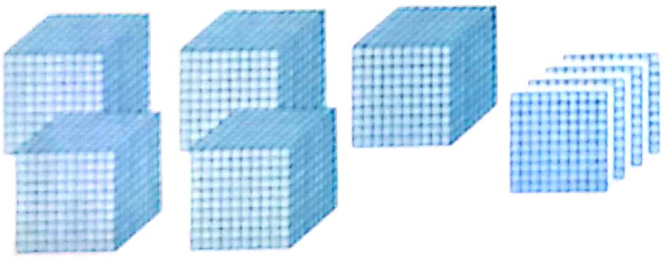
Fill in.

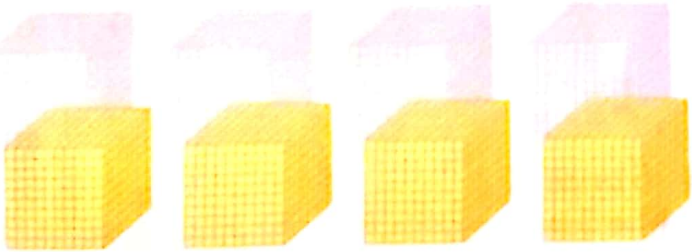
4000 + 300 + 0 + 6
= 4306











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Fill in.

3 thousands + 4 hundreds + 6 tens + 4 ones = 3000 + 400 + 60 + 4 = 3464

1 thousand + 2 hundreds + 4 tens + 3 ones = _____ = _____

2 thousands + 3 hundreds + 7 tens + 5 ones = _____ = _____

3 thousands + 0 hundreds + 4 tens + 6 ones = _____ = _____

8 thousands + 6 hundreds + 5 tens + 0 ones = _____ = _____

7 thousands + 2 hundreds + 0 tens + 2 ones = _____ = _____

6 thousands + 5 hundreds + 4 tens + 3 ones = _____ = _____

2 thousands + 1 hundred + 2 tens + 5 ones = _____ = _____

4 thousands + 2 hundreds + 7 tens + 9 ones = _____ = _____

5 thousands + 3 hundreds + 8 tens + 1 one = _____ = _____

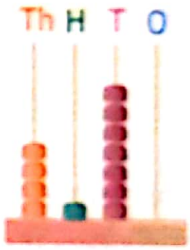
9 thousands + 9 hundreds + 9 tens + 9 ones = _____ = _____

Write the number shown on the abacus.

_____

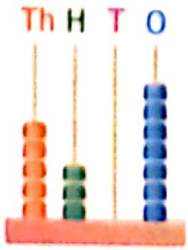
_____

_____



_____

_____



_____

_____

_____

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Write in the short form.

2000 + 700 + 50 + 4 =	2754
1000 + 500 + 30 + 2 =	
3000 + 600 + 70 + 4 =	
5000 + 100 + 0 + 9 =	
4000 + 200 + 60 + 7 =	
6000 + 0 + 10 + 5 =	
9000 + 800 + 70 + 6 =	
8000 + 400 + 30 + 2 =	
7000 + 100 + 0 + 0 =	
2000 + 0 + 0 + 6 =	
3000 + 500 + 20 + 8 =	

Write in the expanded (long) form.

7304 =	7000 + 300 + 0 + 4
3268 =	
4769 =	
1024 =	
2836 =	
5417 =	
6642 =	
4598 =	
7364 =	
5810 =	
4005 =	

Number Names

The name of a four-digit number shows the number of thousands, hundreds, tens and ones it has.

1001: one thousand and one
1099: one thousand and ninety-nine
1115: one thousand one hundred and fifteen
2642: two thousand six hundred and forty-two
2726: two thousand seven hundred and twenty-six
3459: three thousand four hundred and fifty-nine
5934: five thousand nine hundred and thirty-four
7811: seven thousand eight hundred and eleven
8620: eight thousand six hundred and twenty

1020: one thousand and twenty
1100: one thousand one hundred
2500: two thousand five hundred
2066: two thousand and sixty-six
3004: three thousand and four
4052: four thousand and fifty-two
6013: six thousand and thirteen
8200: eight thousand two hundred
9090: nine thousand and ninety

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Exercise 2B

Write the number names.

1326 = _____

2578 = _____

4729 = _____

5017 = _____

6025 = _____

8054 = _____

3200 = _____

4700 = _____

9602 = _____

8309 = _____

1001 = _____

2007 = _____

3005 = _____

3850 = _____

Write in figures.

Three thousand eight hundred and fifty-four = _____

Six thousand nine hundred and forty-two = _____

Two thousand seven hundred and fifty = _____

Five thousand and sixty-three = _____

Eight thousand and one = _____

Seven thousand three hundred = _____

Three thousand nine hundred and six = _____

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Write the number names.

2687 = _____

3651 = _____

9734 = _____

7308 = _____

5716 = _____

3007 = _____

4015 = _____

6200 = _____

8000 = _____

7069 = _____

5800 = _____

4530 = _____

6806 = _____

1254 = _____

2777 = _____

Write in figures.

Four thousand and seven = _____

Six thousand and forty-eight = _____

One thousand seven hundred = _____

Three thousand five hundred and four = _____

Nine thousand two hundred and fourteen = _____

Five thousand nine hundred and seventy eight = _____

Eight thousand six hundred and ninety-three = _____

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Write the numbers that follow.

1005	1006	1007							
1250									
2325									
3467									
4893									
5295									
6732									
7888									

Count backwards and fill in the numbers.

1020	1019	1018					
1345							
3789							
4321							
6890							
8433							

Continue the pattern.

4000	4002	4004							
	5015	5020	5025						
1100	1200	1300							
	3500	3600	3700						

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Fill in by counting forward.

3015									
5792									
6327									
9010									
7197									
8888									
5050									

Count backwards and fill in.

2180							
4675							
5871							
9324							
7418							

Continue the pattern.

3020	3030	3040						
	2175	2170	2165					
1050	1100	1150						
	8590	8580	8570					
1111	1114	1117						
	5000	5011	5022					

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Write the predecessor (the number before):

2533 2534	____ 1000	____ 1234	____ 1300
____ 2740	____ 3559	____ 3600	____ 4775
____ 5556	____ 6030	____ 8100	____ 9000

Write the successor (the number after):

3145 3146	1700 ____	2010 ____	1999 ____
4867 ____	5102 ____	5021 ____	6060 ____
6600 ____	8099 ____	7321 ____	9753 ____

Write the numbers before and after:

____ 1000 ____	____ 2350 ____	____ 3499 ____
____ 6789 ____	____ 3800 ____	____ 6832 ____
____ 7080 ____	____ 8501 ____	____ 9327 ____

Write the number beween:

6453 6454 6455	999 ____ 1001	1110 ____ 1112	2345 ____ 2347
3897 ____ 3899	4998 ____ 5000	4030 ____ 4032	6814 ____ 6816
7877 ____ 7879	5309 ____ 5311	8099 ____ 8101	9835 ____ 9837

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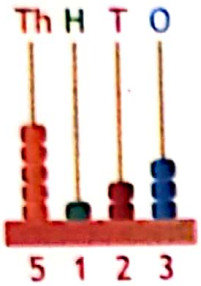
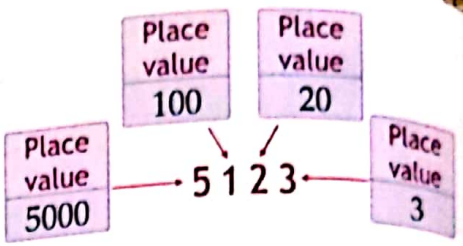
Place Values in Four-digit Numbers

You know that the position of a digit in a number gives it a place value.





5123 = 5 thousands + 1 hundred + 2 tens + 3 ones
= 5000 + 100 + 20 + 3

Exercise 2C

Write the place value of each digit.

4685	4 4000	6 600	8 80	5 5
5124				
1245				
1452				
6873				
2907				
3058				

Fill in.

In 2458, 5 is in the _____ place, and 2 is in the _____ place.

In 7683, the digit in the thousands place is ___, and the place value of 8 is _____.

In 5714, the digit in the thousands place is ___, and its place value is _____.

In 4923, the place value of 9 is _____, that of 4 is _____ and that of 2 is _____.

In 6039, the place value of 0 is _____, that of 9 is _____ and that of 6 is _____.

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Comparing and Arranging

To compare numbers, compare left to right.
If the digits at a place are equal, compare the digits at the next place on the right.

Th	H	T	O	Th	H	T	O
4	2	3	5	7	0	0	0

Th: 4 < 7
4235 < 7000

Th	H	T	O	Th	H	T	O
1	2	3	4		9	9	9

Th: 1 > 0
1234 > 999

Th	H	T	O	Th	H	T	O
9	8	7	6	9	7	7	6

Th: 9 = 9 H: 8 > 7
9876 > 9776

Th	H	T	O	Th	H	T	O
5	1	3	0	5	1	4	5

Th: 5 = 5 H: 1 = 1 T: 3 < 4
5130 < 5145

Th	H	T	O	Th	H	T	O
7	0	2	4	7	0	2	4

Th: 7 = 7 H: 0 = 0 T: 2 = 2 O: 4 = 4
7024 = 7024

Exercise 2D

Write >, < or =.

2536 ◇ 3756 6622 ◇ 6262 999 ◇ 1025 2318 ◇ 54

7934 ◇ 9302 9000 ◇ 4000 6530 ◇ 6530 5378 ◇ 5368

8132 ◇ 8314 3924 ◇ 3920 1352 ◇ 1752 4534 ◇ 4354

9048 ◇ 9100 4678 ◇ 4678 5000 ◇ 4999 9235 ◇ 9325

Write the smallest number.

1023	1003	1002	1203	1302	1002
9456	3409	2278	997	6851	
6308	3409	2147	7326	5834	
5623	5326	5362	5632	5263	
4785	4875	4758	4857	4578	

Write the greatest number.

3467	3764	3647	3674	3746	3764
2893	1987	898	3680	4322	
7301	7031	7310	7103	7130	
5256	7428	8544	8600	6525	
6789	6978	6798	6897	6987	

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Ring the smallest and tick the largest.

5789	4327	9328	5625	9723	4372
6584	6548	6458	6845	6485	6854
8503	2533	4438	2120	4847	6466

9834	9854	9852	9837	9821	9843
6200	6300	6020	6030	6099	6009
462	3518	5380	7634	1836	3759

Write in descending order (from the greatest to the smallest).

1100	890	2156	4329	1248	3736
1000	5000	7000	900	6000	8000
7328	3823	5548	4540	2389	6875
6582	8735	9821	7534	8573	6837
2548	2458	2854	2584	2485	2845
3076	760	3067	3760	3607	3670

4329, 3736, 2156, 1248, 1100, 890

Write in ascending order (from the smallest to the greatest).

3294	3924	3492	3942	3429	3249
5000	2000	500	200	7000	700
5632	2411	3288	2388	3284	4365
8532	4729	7811	3502	5238	3333
2348	4328	4823	3248	2483	3842
1179	1719	1917	1197	1971	1791

3249, 3294, 3429, 3492, 3924, 3942

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Making the Smallest and the Greatest Numbers from Four Given Digits

Making the greatest number from four digits

The greatest number will have the most thousands, hundreds and tens. So, write the digits in descending order, with the greatest digit at the thousands place.

Given digits: 3, 1, 7, 5

Greatest number with these digits: 7531

Given digits: 0, 9, 0, 6

Greatest number with these digits: 9600

Making the smallest number from four digits

The smallest number will have the least thousands, hundreds and tens. So, write the digits in ascending order, with the smallest digit at the thousands place.
If there are zeros, place them after the next-smallest digit.
(You cannot have numbers starting with zeros.)

Given digits: 4, 2, 8, 6

Smallest number with these digits: 2468

Given digits: 0, 2, 3, 0

Smallest number with these digits: 2003

Exercise 2E

Make the greatest and the smallest four-digit numbers with the given digits.

Digits	Greatest number	Smallest Number
2, 6, 4, 4	6442	2446
3, 1, 7, 9		
5, 3, 4, 1		
8, 0, 7, 2		
1, 5, 2, 8		
7, 9, 4, 7		

Digits	Greatest number	Smallest Number
2, 9, 3, 7		
8, 4, 5, 6		
5, 1, 1, 9		
6, 0, 9, 8		
4, 0, 5, 0		
3, 4, 3, 3		

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Some Numbers beyond 9999

What comes after 9999?
9999 + 1 = 10000 (ten thousand).

You know that 9 thousands together make 9,000.
Similarly, 10 thousands together make 10,000.
10,000 is the smallest five-digit number.

Here are some five-digit numbers.

11,000	eleven thousand
15,000	fifteen thousand
19,300	nineteen thousand three hundred
16,452	sixteen thousand four hundred and fifty-two
20,000	twenty thousand
50,000	fifty thousand
35,681	thirty-five thousand six hundred and eighty-one
73,700	seventy-three thousand seven hundred
80,062	eighty thousand and sixty-two
99,999	ninety-nine thousand nine hundred and ninety-nine

A comma can separate the thousands digits. This helps in reading the number.
6740 → 6,740
45321 → 45,321

99,999 is the greatest five-digit number.
What comes after 99,999?
99999 + 1 = 100000 (1 lakh or one hundred thousand).

100,000 is the smallest six-digit number.
100 thousands make 100,000.

Rewrite the numbers with commas and write their number names.

60342	60,342	sixty thousand three hundred and forty-two
10005		
16000		
25150		
42341		
70777		
81511		
96000		

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3. Roman Numerals

We use numerals to write numbers. Usually, we use the numerals 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9. But sometimes we use Roman numerals like I and V. You might have seen these on clock faces or on the sign outside a classroom. The Romans used seven letters as numerals. These numerals and their values are given below.

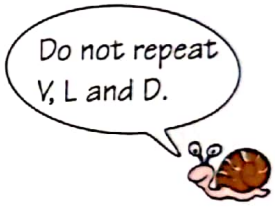
Roman numeral	I	V	X	L	C	D	M
Value	1	5	10	50	100	500	1000

To form numbers with these numerals, you have to follow certain rules.

- To form larger numbers, I, X, C and M can be repeated up to three times. The number formed is their sum.

  II = 1 + 1 = 2 III = 1 + 1 + 1 = 3 XX = 10 + 10 = 20

  CC = 100 + 100 = 200



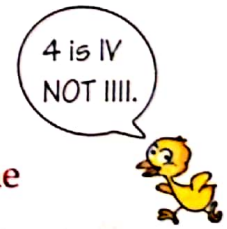
- A smaller numeral gets added to the greater numeral on its left.

  VI = 5 + 1 = 6 VII = 5 + 1 + 1 = 7 VIII = 5 + 1 + 1 + 1 = 8

  XI = 10 + 1 = 11 XV = 10 + 5 = 15 XXII = 10 + 10 + 1 + 1 = 22

- A smaller numeral gets subtracted from the greater numeral on its right.

  IV = 5 – 1 = 4 IX = 10 – 1 = 9 XL = 50 – 10 = 40



- A smaller numeral between two greater numerals gets subtracted from the numeral on its right.

  XIV = 10 + 5 – 1= 14 XIX = 10 + 10 – 1= 19

See how these rules are used in writing 1 to 20.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX

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Exercise 3A

1. Write the numbers shown by the Roman numerals.

(a)

I	V	X	L	C	D	M

(b)

II	III	XX	XXX	CC	CCC

(c)

IV	IX	XIV	XIX	XXIV	XXIX

(d)

VI	VII	VIII	XI	XII	XIII	XVI	XXI	XXV

2. Write using Roman numerals.

(a)

3	4	1	2	9	10	11	15	13	16

(b)

7	5	8	14	18	19	12	6	17	20

3. Write 1 to 20 using Roman numerals.

4. Write the time.

2:00

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Review Worksheet 1

1. Make the greatest and the smallest three-digit numbers with the given digits.

Digits	(a) 8, 3, 6	(b) 4, 3, 0	(c) 9, 5, 7
Smallest number			
Greatest number			

2. Write in the expanded form.

(a) 4672 =

(b) 6831 =

(c) 5015 =

(d) 9708 =

3. Write the numbers that follow.

(a) **1054** _____ _____ _____ _____ _____ _____

(b) **3646** _____ _____ _____ _____ _____ _____

(c) **8995** _____ _____ _____ _____ _____ _____

4. Write >, < or =.

(a) 4978 ◇ 952 (b) 7807 ◇ 7087 (c) 6534 ◇ 6879 (d) 1274 ◇ 2856

5. Write in descending order.

(a)	5678	3251	6879	5231	6978
(b)	9801	9108	8911	8091	8191
(c)	6732	6237	6723	7632	7362

6. Fill in.

(a) In 3018, the place value of 8 is ____, that of 1 is _____ and that of 3 is _____.

(b) In 4852, the place value of 4 is _____, that of 5 is ____ and that of 8 is _____.

(c) Write the numbers shown by the numerals: XI = ____ IX = ____ VI = ____.

(d) Write in Roman numerals: 4 = _____ 7 = _____ 13 = _____.

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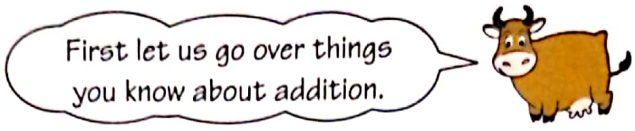
4. Simple Addition and Subtraction

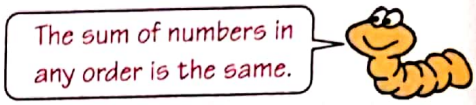


$5 + 7 + 2 = 14$

$5 + 7 = 12$

$5 + 7 + 2 = 14$

$7 + 2 = 9$



$6 + 0 = 6$ $\quad$ $23 + 0 = 23$

$465 + 0 = 465$ $\quad$ $1378 + 0 = 1378$

Addition of 10s, 100s and 1000s

$10 + 10 = 20$ $\quad$ $20 + 10 = 30$ $\quad$ $40 + 10 = 50$ $\quad$ $70 + 10 = 80$ $\quad$ $90 + 10 = 100$

$100 + 100 = 200$ $\quad$ $300 + 100 = 400$ $\quad$ $500 + 100 = 600$ $\quad$ $700 + 100 = 800$ $\quad$ $800 + 100 = 900$

$1000 + 1000 = 2000$ $\quad$ $2000 + 1000 = 3000$ $\quad$ $3000 + 1000 = 4000$ $\quad$ $4000 + 1000 = 5000$

$5000 + 1000 = 6000$ $\quad$ $6000 + 1000 = 7000$ $\quad$ $7000 + 1000 = 8000$ $\quad$ $8000 + 1000 = 9000$

Exercise 4A

Add.

$3 + 6 =$	$6 + 5 =$	$8 + 7 =$	$9 + 9 =$
$1 + 3 + 2 =$	$2 + 0 + 5 =$	$3 + 4 + 5 =$	$3 + 9 + 2 =$
$6 + 7 + 8 =$	$9 + 1 + 3 =$	$2 + 7 + 4 =$	$8 + 5 + 0 =$
$1 + 2 + 3 + 4 =$	$2 + 4 + 4 + 2 =$	$3 + 2 + 1 + 0 =$	$3 + 3 + 3 + 3 =$
$5 + 3 + 2 + 3 =$	$6 + 1 + 2 + 4 =$	$7 + 8 + 5 + 6 =$	$8 + 9 + 2 + 5 =$

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Expand and add.

$25 + 43$

$20 + 5 + 40 + 3$
$= 20 + 40 + 5 + 3$
$= 60 + 8 = 68.$

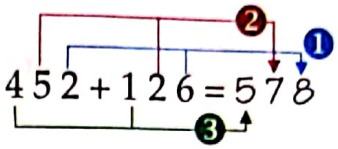
$163 + 724$

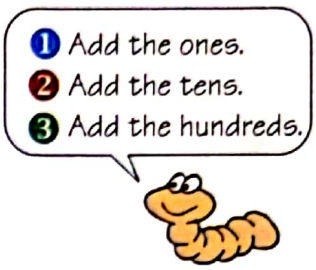
$100 + 60 + 3 + 700 + 20 + 4$
$= 100 + 700 + 60 + 20 + 3 + 4$
$= 800 + 80 + 7 = 887.$

Add 452 and 126.

$452 + 126$

4 hundreds + 5 tens + 2 ones
+ 1 hundred + 2 tens + 6 ones
= 5 hundreds + 7 tens + 8 ones = 578.





Exercise 4B

Expand and add.

23 + 74	321 + 45	460 + 37
251 + 134	524 + 333	603 + 295

Add.

32 + 46 = _____	44 + 21 = _____	72 + 16 = _____	269 + 30 = _____
145 + 23 = _____	27 + 421 = _____	343 + 142 = _____	264 + 534 = _____
186 + 610 = _____	675 + 312 = _____	541 + 347 = _____	716 + 152 = _____

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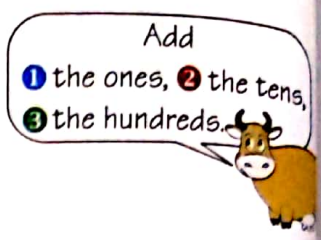
Add.

H	T	O
3	5	4
+ 4	3	2

→ 3 hundreds and 5 tens and 4 ones
+ 4 hundreds and 3 tens and 2 ones
7 hundreds and 8 tens and 6 ones →

H	T	O
3	5	4
+ 4	3	2
7	8	6



Exercise 4C

Add.

H	T	O
	1	2
+		7

H	T	O
		4
+ 1	9	2

H	T	O
	3	2
+	4	6

H	T	O
	5	5
+	2	1

H	T	O
6	6	7
+	2	2

3 4	1 3 4	2 1 3	3 4 7	4 1 9
+ 3 2 3	+ 2 6 2	+ 5 4 6	+ 5 3 2	+ 3 8 0

6 4 8	7 8 3	5 2 6	4 5 8	8 0 5
+ 1 4 1	+ 2 0 5	+ 3 6 2	+ 2 0 0	+ 1 8 4

Add.

H	T	O
	1	7
+	3	0

H	T	O
	1	0
+	8	6

H	T	O
7	2	6
+	5	0

H	T	O
	4	5
+ 6	0	3

H	T	O
2	3	6
+ 1	6	2

7 2 5	4 3 2	7 1 2	6 5 2	5 6 7
+ 2 5 4	+ 4 3 2	+ 2 5 6	+ 3 4 7	+ 3 2 1

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Add.

T	O
3	1
+ 2	5
+ 2	2
7	8

T	O
1	2
+ 1	0
+ 3	4

T	O
2	3
+ 3	1
+ 3	2

T	O
4	4
+ 4	3
+ 1	0

T	O
1	7
+ 5	0
+ 2	1

6	2
+ 2	3
+ 1	4

7	2
+ 1	5
+ 1	2

3	3
+ 1	2
+ 2	1

2	8
+ 4	0
+ 3	1

5	4
+ 2	3
+ 2	0

1	1
+ 2	3
+ 4	5

6	3
+ 1	2
+ 1	3

5	0
+ 2	6
+ 1	2

4	5
+ 2	2
+ 3	0

3	1
+ 1	5
+ 4	3

Add.

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

H	T	O
	3	1
+4	3	4
+3	1	3

H	T	O
	4	3
+1	4	4
+5	1	0

H	T	O
		4
+	2	3
+8	5	2

H	T	O
7	0	2
+	1	5
+	8	1

5	1	4
+1	2	3
+	1	2

4	2	0
+2	4	0
+1	2	0

3	0	0
+1	5	0
+1	2	0

5	7	3
+1	2	5
+2	0	1

2	1	3
+3	1	4
+4	1	0

3	1	6
+2	6	1
+2	1	2

6	0	4
+2	5	0
+1	2	5

1	3	2
+4	3	2
+3	1	2

4	5	3
+2	3	1
+3	0	4

6	3	3
+1	2	4
+2	3	1

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Add.

1 + 2 + 3 + 4	4 + 5 + 6 + 7	2 + 3 + 1 1 + 2 1	6 + 2 + 2 0 + 5 0	3 + 4 + 2 1 + 6 1	2 + 4 + 4 0 + 3 2
6 3 + 1 2 + 1 2 + 2	5 2 + 1 3 + 4 + 2 0	3 5 + 1 2 + 1 1 + 3 0	4 0 + 2 4 + 1 3 + 2 1	3 4 + 3 0 + 2 1 + 1 2	5 2 + 1 4 + 2 1 + 1
2 4 + 1 3 + 2 0 + 1 1	3 4 + 2 3 + 1 2 + 2 0	4 0 + 1 6 + 2 1 + 1 2	3 3 + 2 0 + 3 0 + 1 4	2 + 1 1 + 1 2 + 5 3	4 4 + 2 2 + 1 0 + 1 2

Add.

4 + 3 2 + 4 2 0 + 3 4 0	2 + 1 3 + 5 2 2 + 2 6 0	2 5 0 + 4 + 3 2 + 4 0 3	3 1 1 + 1 0 0 + 2 4 4 + 1 2 3	2 2 1 + 3 2 1 + 2 2 2 + 1 3 5
3 0 2 + 2 1 4 + 1 5 2 + 1 3 0	2 0 0 + 2 1 0 + 2 2 0 + 2 3 0	5 2 1 + 2 5 0 + 1 1 7 + 1 1 1	4 3 1 + 2 0 3 + 1 5 3 + 1 0 1	3 1 2 + 1 5 4 + 1 2 0 + 2 1 2

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Addition of Four-digit Numbers

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

4 thousands and 2 hundreds and 3 tens and 5 ones
+ 2 thousands and 6 hundreds and 5 tens and 2 ones
6 thousands and 8 hundreds and 8 tens and 7 ones

Add
1. the ones,
2. the tens,
3. the hundreds,
4. the thousands.

Exercise 4D

Add.

Th	H	T	O
	4	3	5	2
+		2	4	7

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

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

Th	H	T	O
	5	5	2	1
+	3	2	4	3

	3	5	4	2
+	1	3	5	6

	3	4	1	5
+	5	4	7	1

	6	9	4	8
+	3	0	5	1

	3	0	5	1
+	6	9	4	8

	4	3	2	1
+	1	2	3	4

	3	6	7	8
+	6	2	1	0

	2	4	5	8
+	1	2	3	1

	5	6	5	6
+	4	1	3	2

Do these sums in your notebook.

3745 + 241	4657 + 340
4501 + 2377	7140 + 2852
5032 + 3865	4175 + 4712

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Add.

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

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

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

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

	5	4	0	3
+	2	1	4	0
+	1	4	2	5

	6	1	3	2
+	1	5	4	3
+	2	2	1	4

	4	2	3	1
+	2	2	1	1
+	1	4	5	3

	3	1	0	2
+	3	2	2	1
+	2	3	6	6

Do these sums in your notebook.

4521 + 323 + 24

7427 + 1340 + 31

1234 + 1324 + 4320

5432 + 3210 + 1025

Add.

	4	3	1	2
+	1	2	2	1
+	1	0	2	4
+	2	3	1	0
	8	8	6	7

	8	2	3	1
+		4	3	2
+			2	3
+				2

	4	2	4	2
+	3	0	1	3
+	1	1	2	2
+		6	2	1

	3	1	2	3
+	4	5	1	4
+	1	3	3	0
+	1	0	2	1

	4	5	3	1
+	1	0	3	2
+	2	1	2	3
+	1	2	0	2

	6	5	4	3
+	1	2	0	2
+	1	0	1	2
+	1	2	2	1

	4	1	1	3
+	1	3	4	2
+	3	1	2	1
+	1	2	1	1

	5	0	0	0
+	1	9	0	0
+	2	0	9	0
+	1	0	0	9

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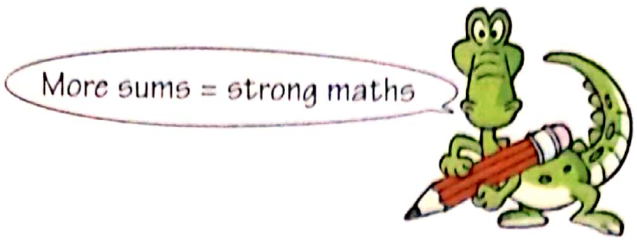

Add.

7467 + 432	9253 + 604	3946 + 5032	6253 + 1534
2436 + 2532	7354 + 1235	4127 + 3650	5164 + 3623
7532 + 402 + 61	4031 + 2415 + 1232	3047 + 2621 + 2130	6021 + 842 + 20 + 13
2332 + 3034 + 1200 + 1312			

Do these sums in your notebook.

5123 + 1640	6723 + 1142 +1031
7430 + 1545	5632 + 2101 + 1022
4533 + 2104	8712 + 143 + 12 + 1
2487 + 5312	2354 + 3131 + 1104 + 2310

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A toy shop has 150 cars and 101 trains. It has 45 more dolls than the number of cars and trains together. How many dolls does the shop have?

150
+ 101
+ 45
296

The shop has 296 dolls.

For the first show of a circus, 473 tickets were sold. For the second show, 525 tickets were sold. What was the total number of tickets sold?

A cobbler mended 23 shoes on Monday, 34 shoes on Tuesday and 22 shoes on Wednesday. How many shoes did he mend in all?

Minakshi is 7 years old. Her brother is 11 years old. Their mother's age is 21 years more than the sum of their ages. How old is their mother?

Do these sums in your notebook.

In a school, the girls planted 232 saplings. The boys planted 156 more saplings than the girls did. How many saplings did the boys plant?

Mr Ganesan bought 400 blue bulbs, 260 red bulbs and 125 yellow bulbs on Diwali. How many bulbs did he buy altogether?

A milk van was carrying 4235 packets of toned milk and 1260 packets of flavoured milk. How many packets was it carrying altogether?

A florist (flower seller) bought 1240 pink roses, 1135 yellow roses and 1510 white roses. How many roses did he buy in total?

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Review of Subtraction

$7 - 0 = 7$ $26 - 0 = 26$ $891 - 0 = 891$

number − 0 = same number

number − same number = 0

$4 - 4 = 0$ $53 - 53 = 0$ $637 - 637 = 0$

Subtraction of 10s, 100s and 1000s

$20 - 10 = 10$ $30 - 10 = 20$ $50 - 10 = 40$ $70 - 10 = 60$ $90 - 10 = 80$

$200 - 100 = 100$ $300 - 100 = 200$ $600 - 100 = 500$ $800 - 100 = 700$ $900 - 100 = 800$

$2000 - 1000 = 1000$ $3000 - 1000 = 2000$ $4000 - 1000 = 3000$ $5000 - 1000 = 4000$

$6000 - 1000 = 5000$ $7000 - 1000 = 6000$ $8000 - 1000 = 7000$ $9000 - 1000 = 8000$

Subtract.

T	O
9	8
−2	5

→ 9 tens and 8 ones − 2 tens and 5 ones = 7 tens and 3 ones →

T	O
9	8
−2	5
7	3

→ 98 − 25 = 73 (❶ ❷)

Subtract.

H	T	O
7	4	3
−3	4	2

→ 7 hundreds and 4 tens and 3 ones − 3 hundreds and 4 tens and 2 ones = 4 hundreds and 0 tens and 1 one →

H	T	O
7	4	3
−3	4	2
4	0	1

Subtract ❶ the ones, ❷ the tens, ❸ the hundreds.

743 − 342 = 401 (❷ ❶ ❸)

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Exercise 4E

Subtract.

9 – 6 =	15 – 3 =	19 – 7 =	26 – 4 =
46 – 12 =	38 – 21 =	47 – 23 =	89 – 65 =
175 – 25 =	290 – 50 =	489 – 65 =	738 – 123 =
127 – 100 =	368 – 256 =	512 – 402 =	987 – 876 =

Subtract.

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

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

6 5 7	7 5 4	8 5 9	9 9 8	8 6 8
– 4 3 3	– 5 2 3	– 6 2 4	– 7 0 6	– 3 2 3

Do these sums in your notebook.

46 – 26	598 – 47
285 – 144	647 – 346
796 – 451	836 – 503

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Subtraction of Four-digit Numbers

Th	H	T	O
7	8	4	5
− 5	4	3	2
2	4	1	3

7 thousands and 8 hundreds and 4 tens and 5 ones
− 5 thousands and 4 hundreds and 3 tens and 2 ones
2 thousands and 4 hundreds and 1 ten and 3 ones

Subtract
1. the ones,
2. the tens,
3. the hundreds,
4. the thousands.

Exercise 4F

Subtract.

1457 − 432	2839 − 604	6785 − 273	2518 − 1501	2876 − 2221
6754 − 3212	7932 − 4512	4678 − 3216	6835 − 2834	5486 − 2353
9886 − 7235	5214 − 3214	6842 − 3421	9999 − 8765	7985 − 3632

Do these sums in your notebook.

2468 – 1234	8888 – 3210
7358 – 7358	8888 – 7654
6957 – 6425	7777 – 3456
8286 – 5250	6666 – 5432
9507 – 4203	5555 – 1234

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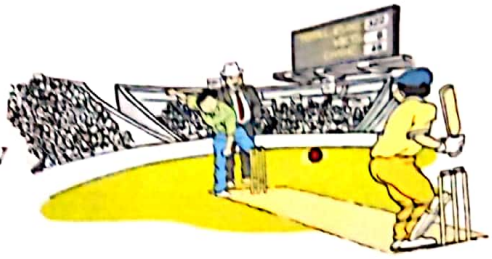
Simi's mother is 31 years old. Her grandmother is 58 years old. What is the difference in age between them?

58
−31
27

The difference in age is 27 years.

On Sunday, 57 children took the toy-train ride at a park. On Monday, 25 less children took the ride. How many took the ride on Monday?

India scored 124 runs more than Sri Lanka. If India scored 358 runs, how many runs did Sri Lanka score?



Of the 956 students in a school, 523 play football. How many do not play football?

Do these sums in your notebook.

By how much is 87 greater than 72?

By how much is 236 less than 496?

Armaan scored 6872 points in a game and Vivek scored 8994 points. What was the difference between their scores?

A baker has to bake 2850 cup cakes. If he has baked 1320 cakes, how many more does he have to bake?

Susan and Raj reached the finals of a music contest. Susan got 6278 votes and won by 155 votes. How many votes did Raj get?

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MathGym

$48 + 21 = 69$ (sum)
$69 - 48 = 21$
$69 - 21 = 48$

$125 + 243 = 368$ (sum)
$368 - 125 = 243$
$368 - 243 = 125$

sum − one number = the other number

Fill in.

22	+	44	=		66	−		=	44	66	−		=	22
52	+	37	=		89	−		=	37	89	−		=	52
150	+	230	=		380	−		=	150	380	−		=	230
324	+	432	=		756	−		=	432	756	−		=	324

Fill in.

6 2 4 + 2 5 ◯ 8 7 8	7 ◯ 3 + 2 1 4 9 7 7	2 ◯ ◯ + 3 4 2 5 9 2	5 3 ◯ + ◯ 4 1 7 7 3	2 3 + 1 6 9 9 9	4 5 ◯ + 4 1 ◯ 8 6 0

Fill in.

50	+	30	=		+	60	34	+	42	=	36	+		
15	+		=	12	+	16		+	31	=	22	+	34	

81	+	18	=	80	+									
44	+		=	46	+	50								

Fill in > or <.

I		II	V		IV
VI		IV	XI		X
VII		V	III		IV
X		VII	VIII		IX
XI		IX	X		IX

Match.

$3 + 7$	$48 - 36$
$4 + 6 + 5$	$80 + 17$
XII	X
$24 + 35$	$95 - 80$
$91 + 6$	$33 + 26$

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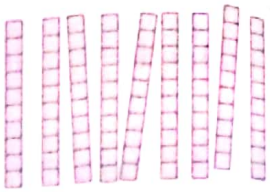
Do and Learn

Aim To review regrouping

Things needed Sheets of squared paper from mathematics notebook, crayons, scissors

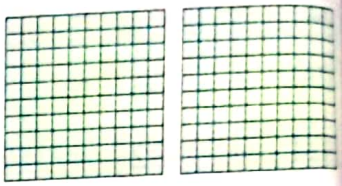
Do and Learn

1. Cut strips of squared paper. Each strip should have 10 squares. Colour two strips blue and the others pink.

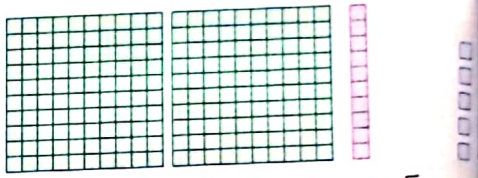


2. Cut squares from the blue strips. A blue square = 1. A pink strip = 10.

3. Cut square pieces that have 100 squares. Colour them green.
   A large green square = 100.
   You can 'exchange' a pink strip (10) for ten blue squares (1).
   You can also exchange a green square (100) for ten pink strips.

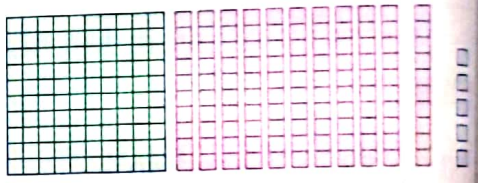


4. Show 2-digit or 3-digit numbers using the ones, tens and hundreds pieces. For example, you can show 215 as:



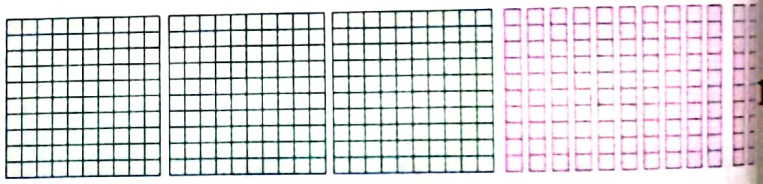
215 = 2 hundreds + 1 ten + 5 ones

5. You can regroup by changing a hundred to 10 tens. Sometimes while subtracting we borrow a ten, hundred or thousand by regrouping like this.



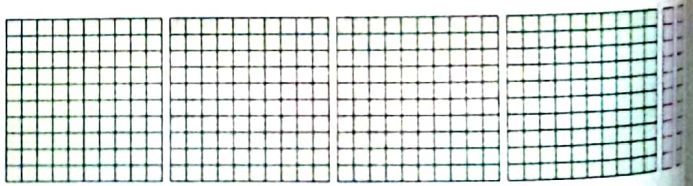
215 = 1 hundred + 11 tens + 5 ones

6. The number 420 can be shown as:



420 = 3 hundreds + 12 tens + 0 ones

7. You can regroup by changing 10 tens to one hundred. We sometimes have to carry a ten, hundred or thousand while adding. We do it by regrouping.



420 = 4 hundreds + 2 tens + 0 ones

8. Show how the numbers 123, 345 and 627 can be shown in different ways by regrouping.

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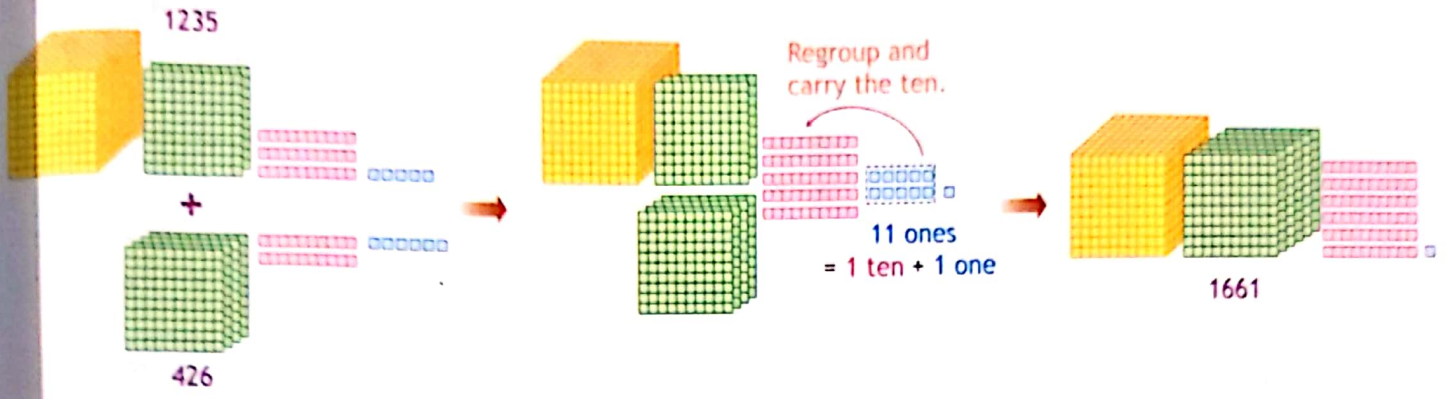
5. Addition with Carrying

Carrying Tens

Add 1235 and 426.



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

O: 6 + 5 = 11
11 ones = 1 ten + 1 one.
Write 1 under O.
Carry 1 ten to T.

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

T: 1 + 3 + 2 = 6
H: 2 + 4 = 6
Th: 1 + 0 = 1

Exercise 5A

Add.

1. (a) 59 + 16 (b) 34 + 57 (c) 28 + 37 (d) 328 + 33 (e) 136 + 29

(f) 128 + 128 (g) 602 + 208 (h) 739 + 224 (i) 536 + 457 (j) 847 + 135

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2.(a)
$$\begin{array}{r} 7329 \\ +\ 538 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 2326 \\ +\ 454 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 3618 \\ +\ 159 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 6327 \\ +\ 416 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 1038 \\ +5433 \\ \hline \end{array}$$

(f)
$$\begin{array}{r} 4205 \\ +3137 \\ \hline \end{array}$$

(g)
$$\begin{array}{r} 5687 \\ +1207 \\ \hline \end{array}$$

(h)
$$\begin{array}{r} 7426 \\ +1359 \\ \hline \end{array}$$

3.(a)
$$\begin{array}{r} {\scriptstyle 2} \\ 48 \\ +28 \\ +15 \\ \hline 91 \end{array}$$

(b)
$$\begin{array}{r} 14 \\ +15 \\ +17 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 15 \\ +25 \\ +35 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 36 \\ +29 \\ +17 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 47 \\ +17 \\ +28 \\ \hline \end{array}$$

4.(a)
$$\begin{array}{r} 204 \\ +152 \\ +\ 16 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 108 \\ +235 \\ +322 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 356 \\ +123 \\ +416 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 525 \\ +138 \\ +217 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 427 \\ +239 \\ +316 \\ \hline \end{array}$$

5.(a)
$$\begin{array}{r} 1322 \\ +1235 \\ +4123 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 2414 \\ +2158 \\ +3302 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 3136 \\ +1326 \\ +4506 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 4135 \\ +3427 \\ +\ 320 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 5548 \\ +2305 \\ +1027 \\ \hline \end{array}$$

(f)
$$\begin{array}{r} 6307 \\ +1226 \\ +1349 \\ \hline \end{array}$$

(g)
$$\begin{array}{r} 4210 \\ +2348 \\ +2419 \\ \hline \end{array}$$

(h)
$$\begin{array}{r} 639 \\ +\ 127 \\ +\ 229 \\ \hline \end{array}$$

Scanned with CamScanner

6. (a)
$$\begin{array}{r} 42 \\ +\ 14 \\ +\ 22 \\ +\ \ 3 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 25 \\ +\ 33 \\ +\ 14 \\ +\ 21 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 31 \\ +\ 12 \\ +\ 26 \\ +\ 14 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 25 \\ +\ 25 \\ +\ 25 \\ +\ 15 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 17 \\ +\ 18 \\ +\ 19 \\ +\ 20 \\ \hline \end{array}$$

7. (a)
$$\begin{array}{r} 232 \\ +222 \\ +303 \\ +\ \ 14 \\ \hline \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 312 \\ +123 \\ +304 \\ +145 \\ \hline \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 144 \\ +116 \\ +215 \\ +311 \\ \hline \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 215 \\ +126 \\ +237 \\ +112 \\ \hline \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 336 \\ +205 \\ +123 \\ +118 \\ \hline \\ \hline \end{array}$$

8. (a)
$$\begin{array}{r} 1321 \\ +1035 \\ +1216 \\ +1113 \\ \hline \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 5424 \\ +2114 \\ +1224 \\ +1214 \\ \hline \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 4237 \\ +1102 \\ +2027 \\ +1417 \\ \hline \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 6106 \\ +1205 \\ +1307 \\ +1144 \\ \hline \\ \hline \end{array}$$

Carrying Hundreds

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

O: 4 + 2 = 6
T: 5 + 7 = 12
12 tens = 10 tens + 2 tens = 1 hundred + 2 tens.
Write 2, carry 1 hundred.
H: 1 + 4 + 3 = 8 Th: 3 + 4 = 7

$$\begin{array}{r} {\scriptstyle 1} \\ 47 \\ +\ 81 \\ \hline 128 \end{array}$$

$$\begin{array}{r} {\scriptstyle 1\ \ 1} \\ 2565 \\ +\ 1245 \\ \hline 3810 \end{array}$$

$$\begin{array}{r} {\scriptstyle 2\ \ 2} \\ 4057 \\ +\ 1287 \\ +\ 1379 \\ \hline 6723 \end{array}$$

Scanned with CamScanner

Exercise 5B

Do these sums.

1. (a)
$$\begin{array}{r} 53 \\ +\ 74 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 25 \\ +\ 82 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 56 \\ +\ 73 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 93 \\ +\ 48 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 366 \\ +\ \ 36 \\ \hline \end{array}$$

(f)
$$\begin{array}{r} 457 \\ +\ \ 87 \\ \hline \end{array}$$

(g)
$$\begin{array}{r} 351 \\ +\ 496 \\ \hline \end{array}$$

(h)
$$\begin{array}{r} 256 \\ +\ 256 \\ \hline \end{array}$$

(i)
$$\begin{array}{r} 675 \\ +\ 149 \\ \hline \end{array}$$

(j)
$$\begin{array}{r} 569 \\ +\ 231 \\ \hline \end{array}$$

2. (a)
$$\begin{array}{r} 6354 \\ +\ \ \ 64 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 4638 \\ +\ \ 162 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 5541 \\ +\ 2193 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 7389 \\ +\ 1246 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 5837 \\ +\ 3076 \\ \hline \end{array}$$

(f)
$$\begin{array}{r} 1274 \\ +\ 2186 \\ \hline \end{array}$$

(g)
$$\begin{array}{r} 3162 \\ +\ 4469 \\ \hline \end{array}$$

(h)
$$\begin{array}{r} 4398 \\ +\ 5298 \\ \hline \end{array}$$

3. (a)
$$\begin{array}{r} 53 \\ +\ 72 \\ +\ \ \ 4 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 41 \\ +\ 52 \\ +\ 63 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 63 \\ +\ 51 \\ +\ 92 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 23 \\ +\ 67 \\ +\ 32 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 164 \\ +\ \ 53 \\ +\ \ 74 \\ \hline \end{array}$$

(f)
$$\begin{array}{r} 367 \\ +187 \\ +\ \ 87 \\ \hline \end{array}$$

(g)
$$\begin{array}{r} 153 \\ +147 \\ +176 \\ \hline \end{array}$$

(h)
$$\begin{array}{r} 465 \\ +385 \\ +135 \\ \hline \end{array}$$

(i)
$$\begin{array}{r} 368 \\ +256 \\ +197 \\ \hline \end{array}$$

(j)
$$\begin{array}{r} 594 \\ +149 \\ +157 \\ \hline \end{array}$$

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4. (a)
$$\begin{array}{r} 3120 \\ +\ \ 354 \\ +\ \ \ 65 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 2174 \\ +\ 1362 \\ +\ \ 435 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 7071 \\ +\ 1459 \\ +\ \ 386 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 6514 \\ +\ 2185 \\ +\ 1090 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 4356 \\ +\ 1274 \\ +\ 2195 \\ \hline \end{array}$$

(f)
$$\begin{array}{r} 3067 \\ +\ 2376 \\ +\ 2137 \\ \hline \end{array}$$

(g)
$$\begin{array}{r} 2183 \\ +\ 4279 \\ +\ 2358 \\ \hline \end{array}$$

(h)
$$\begin{array}{r} 2168 \\ +\ 3288 \\ +\ 4168 \\ \hline \end{array}$$

5. (a)
$$\begin{array}{r} 31 \\ +\ 70 \\ +\ 12 \\ +\ \ \ 4 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 32 \\ +\ 42 \\ +\ 52 \\ +\ 62 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 13 \\ +\ 23 \\ +\ 33 \\ +\ 43 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 26 \\ +\ 33 \\ +\ 44 \\ +\ 41 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 49 \\ +\ 32 \\ +\ 27 \\ +\ 33 \\ \hline \end{array}$$

6. (a)
$$\begin{array}{r} 131 \\ +152 \\ +\ \ 13 \\ +\ \ 10 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 453 \\ +244 \\ +\ \ 63 \\ +\ \ 78 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 138 \\ +254 \\ +144 \\ +268 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 312 \\ +145 \\ +277 \\ +192 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 245 \\ +256 \\ +167 \\ +158 \\ \hline \end{array}$$

7. (a)
$$\begin{array}{r} 1453 \\ +\ \ 231 \\ +\ \ \ 42 \\ +\ \ \ \ 1 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 4278 \\ +1364 \\ +\ \ 123 \\ +\ \ \ 72 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 2356 \\ +1073 \\ +2184 \\ +1247 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 1199 \\ +2234 \\ +3356 \\ +1052 \\ \hline \end{array}$$

Scanned with CamScanner

Carrying Thousands

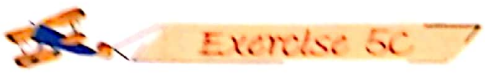
Th	H	T	O
	3	6	2	5
+	3	8	4	1
	7	4	6	6

O: 5 + 1 = 6 T: 2 + 4 = 6
H: 6 + 8 = 14
14 hundreds = 10 hundreds + 4 hundreds
= 1 thousand + 4 hundreds
Write 4, carry 1 thousand.
Th: 1 + 3 + 3 = 7

	1		
	4	3	5
+	7	2	3
1	1	5	8

	1	1	1
	4	7	2	9
+	2	4	8	3
	7	2	1	2

	2		1	
	3	7	2	6
+	1	9	0	1
+		5	3	7
	6	1	6	4



Add.

1. (a)
	5	7	2
+	6	2	4

(b)
	2	3	5
+	8	0	8

(c)
	4	6	5
+	5	9	2

(d)
	2	8	7
+	9	3	6

(e)
	8	4	7
+	7	6	9

2. (a)
	1	4	5	3
+		7	2	4

(b)
	2	5	7	8
+		4	7	1

(c)
	3	5	1	2
+		5	8	9

(d)
	4	6	8	3
+		6	5	8

(e)
	1	5	5	6
+	2	6	4	3

(f)
	2	4	7	9
+	3	9	4	0

(g)
	3	7	6	8
+	4	2	3	2

(h)
	5	6	6	6
+	2	4	5	6

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3. (a)
$$\begin{array}{r} 412 \\ +503 \\ +664 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 534 \\ +725 \\ +233 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 478 \\ +156 \\ +821 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 739 \\ +889 \\ +412 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 663 \\ +973 \\ +865 \\ \hline \end{array}$$

4. (a)
$$\begin{array}{r} 4514 \\ +2412 \\ +1323 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 2579 \\ +2660 \\ +2323 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 3486 \\ +2786 \\ +2986 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 1535 \\ +3967 \\ +2698 \\ \hline \end{array}$$

5. (a)
$$\begin{array}{r} 555 \\ +632 \\ +301 \\ +\ \ 11 \\ \hline \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 152 \\ +314 \\ +763 \\ +145 \\ \hline \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 253 \\ +423 \\ +533 \\ +343 \\ \hline \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 246 \\ +747 \\ +845 \\ +443 \\ \hline \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 485 \\ +685 \\ +743 \\ +314 \\ \hline \\ \hline \end{array}$$

6. (a)
$$\begin{array}{r} 5623 \\ +3412 \\ +\ \ \ 20 \\ +\ \ \ \ \ 3 \\ \hline \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 2534 \\ +1472 \\ +2133 \\ +2313 \\ \hline \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 2532 \\ +3541 \\ +1524 \\ +1536 \\ \hline \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 2635 \\ +1456 \\ +2543 \\ +1667 \\ \hline \\ \hline \end{array}$$

7. Do these sums in your notebook.

(a) 58 + 27 (b) 26 + 46 (c) 63 + 48 (d) 46 + 87 (e) 35 + 99

(f) 429 + 23 (g) 450 + 450 (h) 274 + 567 (i) 645 + 848 (j) 939 + 91

(k) 1267 + 35 (l) 1557 + 346 (m) 4182 + 1649 (n) 3271 + 1873 (o) 3273 + 57

(p) 264 + 3558 (q) 4572 + 543 (r) 7376 + 1646 (s) 3245 + 1987 (t) 25 + 8975

(u) 12 + 25 + 36 (v) 32 + 64 + 578 (w) 250 + 168 + 239 (x) 2875 + 1624 + 1532

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Exercise 5D

1. Srikanth scored 85 marks in English, 87 marks in science and 92 marks in maths. Find his total marks.

2.

A library has 178 more fairy-tale books than comics. If it has 396 comics, how many fairy-tale books does it have?

3. A shop has 3575 DVDs of Hindi films and 3455 DVDs of English films. How many DVDs does it have altogether?

4.

A restaurant needs to serve sambar, rasam and chutney in separate bowls to 115 guests. How many bowls are needed?

5. Do these sums in your notebook.

(a) My grandfather is 26 years older than my father. My father is 28 years older than me. I am 9 years old. How old is my grandfather?

(b) There are 3346 men, 3145 women and 2985 children in a small town. What is the population (total number of people) of the town?

(c) A store house has 2468 bottles of apple juice, 3134 bottles of orange juice and 1452 bottles of grape juice. How many bottles of juice does it have?

(d) The visitors at a fair on the first two days were 1457 and 2357. On the third day, there were 1200 more visitors than the visitors on the first two days taken together. How many people visited the fair on the third day?

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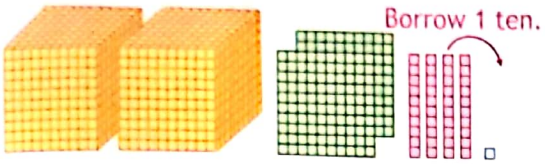
6. Subtraction with Borrowing

Borrowing Tens

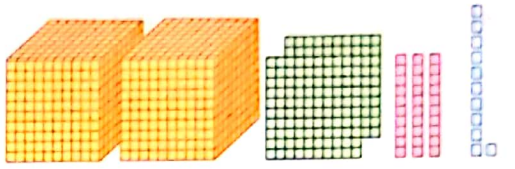
Subtract 1129 from 2241.

Th	H	T	O
2	2	4	1
−1	1	2	9

O: 1 − 9 ✗
So, regroup in 2241 and subtract.



2 thousands + 2 hundreds + 4 tens + 1 one
2241



2 thousands + 2 hundreds + 3 tens + 11 ones
2241

Th	H	T	O
		3	11
2	2	~~4~~	~~1~~
−1	1	2	9
1	1	1	2

Rewrite 4 tens and 1 one as 3 tens and 11 ones. Then subtract.

Exercise 6A

Subtract.

1. (a) $\begin{array}{r} 26 \\ -\ 8 \\ \hline \end{array}$ (b) $\begin{array}{r} 48 \\ -\ 9 \\ \hline \end{array}$ (c) $\begin{array}{r} 35 \\ -\ 17 \\ \hline \end{array}$ (d) $\begin{array}{r} 42 \\ -\ 28 \\ \hline \end{array}$ (e) $\begin{array}{r} 50 \\ -\ 37 \\ \hline \end{array}$

(f) $\begin{array}{r} 40 \\ -\ 15 \\ \hline \end{array}$ (g) $\begin{array}{r} 56 \\ -\ 38 \\ \hline \end{array}$ (h) $\begin{array}{r} 64 \\ -\ 47 \\ \hline \end{array}$ (i) $\begin{array}{r} 73 \\ -\ 54 \\ \hline \end{array}$ (j) $\begin{array}{r} 98 \\ -\ 89 \\ \hline \end{array}$

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2. (a)
$$\begin{array}{r} 134 \\ -\ 27 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 475 \\ -\ 56 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 224 \\ -116 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 378 \\ -149 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 570 \\ -523 \\ \hline \end{array}$$

(f)
$$\begin{array}{r} 685 \\ -437 \\ \hline \end{array}$$

(g)
$$\begin{array}{r} 754 \\ -528 \\ \hline \end{array}$$

(h)
$$\begin{array}{r} 871 \\ -818 \\ \hline \end{array}$$

(i)
$$\begin{array}{r} 980 \\ -406 \\ \hline \end{array}$$

(j)
$$\begin{array}{r} 863 \\ -329 \\ \hline \end{array}$$

3. (a)
$$\begin{array}{r} 2675 \\ -\ 438 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 1540 \\ -\ 237 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 3462 \\ -\ 346 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 5555 \\ -\ 526 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 6095 \\ -\ 6079 \\ \hline \end{array}$$

(f)
$$\begin{array}{r} 7994 \\ -\ 4037 \\ \hline \end{array}$$

(g)
$$\begin{array}{r} 8667 \\ -\ 8639 \\ \hline \end{array}$$

(h)
$$\begin{array}{r} 9323 \\ -\ 8305 \\ \hline \end{array}$$

Borrowing Tens and Hundreds

Th	H	T	O
	4	12	
	4	5	2 7
−	2	3	7 5
	2	1	5 2

O: 7 − 5 = 2 T: 2 − 7 ✗
In 4527, there are 5 hundreds.
Borrow 1 hundred, regrouping to 4 hundreds and 12 tens.
Then T: 12 − 7 H: 4 − 3

O: 2 − 6 ✗
But 8612 = 8000 + 600 + 1 ten + 2 ones.
Borrow 1 ten and regroup to 0 tens and 12 ones.
Then O: 12 − 6 = 6 T: 0 − 7
T: 0 − 7 ✗ Borrow 1 hundred, regrouping to 5 hundreds and 10 tens.
Then T: 10 − 7 H: 5 − 3

Th	H	T	O
	5	10	12
	8	6	1 2
−	5	3	7 6
	3	2	3 6

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Th	H	T	O
	3	10	
9	4	0	0
	2	8	5

O: We need to borrow 1 ten.
9400 has 0 tens, but **4 hundreds**.
Borrow **1 hundred** (= 10 tens).
Then **H:** 3 – 2 **T:** 10 – 8

Th	H	T	O
	3	9	10
9	4	0	0
	2	8	5
9	1	1	5

Now borrow 1 ten.
Then **T:** 9 – 8
O: 10 – 5

Exercise 6B

Subtract.

1. (a) 528 − 37 (b) 146 − 56 (c) 407 − 23 (d) 528 − 286 (e) 634 − 468

(f) 735 − 149 (g) 650 − 279 (h) 703 − 645 (i) 900 − 246 (j) 442 − 367

2. (a) 4328 − 36 (b) 2697 − 298 (c) 3739 − 1449 (d) 5913 − 2785

(e) 7684 − 385 (f) 5800 − 243 (g) 6103 − 4037 (h) 8557 − 8499

3. Do these sums in your notebook.

(a) 265 – 93 (b) 543 – 72 (c) 681 – 85 (d) 704 – 56

(e) 248 – 184 (f) 470 – 365 (g) 510 – 231 (h) 806 – 759

(i) 2543 – 67 (j) 4914 – 3826 (k) 8300 – 7235 (l) 5621 – 5537

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Borrowing Tens, Hundreds and Thousands

Th	H	T	O
6	13		
~~7~~	~~3~~	6	4
− 5	5	3	4
1	8	3	0

O: 4 − 4 = 0 T: 6 − 3 = 3
H: 3 − 5 ✗
In 7364, there are 7 thousands.
Borrow 1 thousand (= 10 hundreds).
Then Th: 6 − 5 H: 13 − 5

Th	H	T	O
4	10		
~~5~~	~~0~~	0	1
−2	1	7	5

O: We need to borrow 1 ten.
But 5001 = 5000 + 0 + 0 + 1
So regroup. First borrow
1 thousand (10 hundreds).
Then Th: 4 − 2 H: 10 − 1

Th	H	T	O
	9	9	11
4	~~10~~	~~10~~	
~~5~~	~~0~~	0	1
−2	1	7	5
2	8	2	6

Borrow 1 hundred (10 tens).
Then H: 9 − 1 T: 10 − 7
Borrow 1 ten (10 ones).
Then T: 9 − 7 O: 11 − 5

Exercise 6C

Subtract.

1.(a)
$$\begin{array}{r} 5345 \\ -\ 623 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 4459 \\ -\ 798 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 3538 \\ -\ 1621 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 7645 \\ -\ 3855 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 2756 \\ -\ 1862 \\ \hline \end{array}$$

(f)
$$\begin{array}{r} 5462 \\ -\ 3596 \\ \hline \end{array}$$

(g)
$$\begin{array}{r} 4235 \\ -\ 2747 \\ \hline \end{array}$$

(h)
$$\begin{array}{r} 6412 \\ -\ 3264 \\ \hline \end{array}$$

(i)
$$\begin{array}{r} 9123 \\ -\ 5376 \\ \hline \end{array}$$

(j)
$$\begin{array}{r} 7056 \\ -\ 5147 \\ \hline \end{array}$$

(k)
$$\begin{array}{r} 4004 \\ -\ 2569 \\ \hline \end{array}$$

(l)
$$\begin{array}{r} 5000 \\ -\ 3245 \\ \hline \end{array}$$

2. Do these sums in your notebook.

(a) 1586 − 655 (b) 2714 − 846 (c) 4319 − 2843 (d) 7235 − 4658 (e) 9114 − 864

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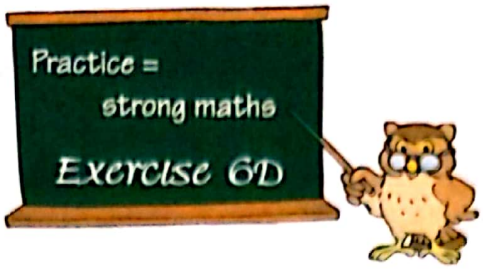

Subtract.

1. (a) 91 − 7 (b) 84 − 6 (c) 78 − 68 (d) 56 − 28 (e) 60 − 44

2. (a) 263 − 45 (b) 372 − 86 (c) 415 − 267 (d) 600 − 438 (e) 801 − 574

(f) 638 − 329 (g) 711 − 414 (h) 512 − 256 (i) 700 − 350 (j) 972 − 478

3. (a) 2567 − 358 (b) 4852 − 485 (c) 6226 − 237 (d) 7004 − 497

(e) 1357 − 1278 (f) 4468 − 3579 (g) 6010 − 4231 (h) 8000 − 4511

4. Do these sums in your notebook.

(a) 66 – 27 (b) 186 – 89 (c) 751 – 95 (d) 803 – 66

(e) 486 – 269 (f) 321 – 197 (g) 402 – 204 (h) 900 – 450

(i) 2743 – 54 (j) 3151 – 2163 (k) 8102 – 6204 (l) 7300 – 4562

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Adding and Subtracting in Steps

Find 1456 – 2437 + 3147.

First add then subtract.
Subtract the number that has the '–' sign in front.

❶
```
   1 1
  1 4 5 6
+ 3 1 4 7
---------
  4 6 0 3
```

❷
```
   5  9  13
  4 6 0 3
- 2 4 3 7
---------
  2 1 6 6
```
Answer

Find 7526 – 1932 – 2085.

❶
```
   6  14  12
  7 5 2 6
- 1 9 3 2
---------
  5 5 9 4
```

❷
```
   8  14
  5 5 9 4
- 2 0 8 5
---------
  3 5 0 9
```
Answer

Exercise 6E

Do these sums in your notebook.

1. (a) 46 + 32 – 17 (b) 65 – 38 + 27 (c) 53 – 66 + 48 (d) 34 – 19 + 45
   (e) 24 – 12 – 11 (f) 96 – 58 – 14 (g) 89 – 23 – 18 (h) 56 – 28 – 28

2. (a) 359 + 83 – 247 (b) 575 – 453 + 618 (c) 285 – 546 + 638 (d) 623 – 215 – 116
   (e) 698 – 400 – 23 (f) 146 – 267 + 735 (g) 642 – 68 – 124 (h) 537 – 320 + 173

3. (a) 3124 – 2846 + 4649 (b) 1024 – 512 – 512 (c) 5283 – 6271 + 2345
   (d) 6200 – 1001 – 2781 (e) 4352 + 45 – 2967 (f) 1045 – 1725 + 8317

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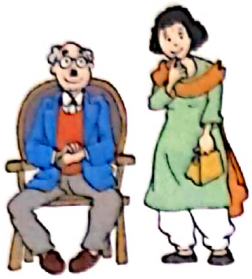
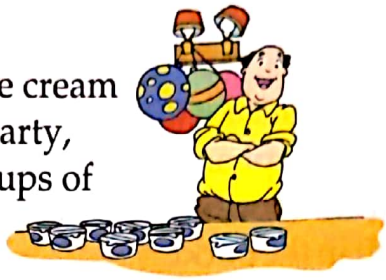
Exercise 6F

1. At a dog show there were 35 Alsatians. The number of pugs was 18 less. How many pugs were there at the show?

2. 

Lisa's grandfather is 61 years old. Her aunt is 28 years younger than him. How old is her aunt?

3. Mr Barua ordered 925 cups of ice cream for his party. At the end of the party, 189 cups were left. How many cups of ice cream did the guests have?



4.

A poultry farm sold 5392 eggs in a week. It sold 1587 less eggs the next week. How many eggs did it sell the second week?

5. Do these sums in your notebook.

(a) Super Express has 624 seats. 128 seats are in AC coaches. How many seats are there in non-AC coaches?

(b) If 286 students join a school, the school will have 1500 students. How many students does the school have now?

(c) There were 8725 people watching a match in a stadium. During a break, only 2658 people remained in the stadium. How many people went out?

(d) What number when added to 500 gives 750?

(e) What number when added to 4569 gives 7241?

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Exercise 6G

1. 350 children were going to Kerala. 135 children travelled by bus, 27 by car, and the rest took a train. How many travelled by train?

$$\begin{array}{r} {\scriptstyle 1} \\ 135 \\ +\ 27 \\ \hline 162 \end{array}$$

188 children travelled by tra...

2. To decorate their Christmas trees, Joe bought 25 stars and 55 bulbs, and Ann bought 24 stars and 65 bulbs. Who bought more decoration items?

Joe

$$\begin{array}{r} {\scriptstyle 1} \\ 25 \\ +\ 55 \\ \hline 80 \end{array}$$

Ann

$$\begin{array}{r} 24 \\ +\ 65 \\ \hline 89 \end{array}$$

Ann bought more.

3. A wildlife park in India had 370 elephants. 25 of them were sent to Nepal and 7 were sent to Bangladesh. How many elephants were left in the park?

4. On 1 May, there were 1275 tourists in Mumbai. On 2 May, 983 more tourists came in, and 1163 left for Goa. How many tourists were there in Mumbai on 2 May?

5. Do these sums in your notebook.

(a) Anil had 64 colour pencils. He lost 35 of them. Then his mother bought him a box of 24 colour pencils. How many colour pencils does he have now?

(b) A shop sold 350 veggie burgers and 215 nonveg burgers on Sunday. It sold 30... veggie burgers and 259 nonveg burgers on Monday. On which day did it sell more?

(c) There are 9946 people in a town. If 4457 are men and 3962 are women, how many children are there?

(d) Ravi scored 9735 points in three games. In the first game he scored 3568, and in the second he scored 3983. What was his score in the third game?

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Review Worksheet 2

1. Fill in.

(a) The expanded form of 9783 is _____.

(b) The greatest three-digit number formed with 5, 4 and 3 is _____.

(c) The smallest three-digit number formed with 7, 9 and 0 is _____.

(d) The number name of 8705 is _____.

(e) Four thousand and forty in figures is _____.

(f) In 7152, the place value of 7 is ____, that of 1 is _____ and that of 5 is _____.

(g) In 157, the place value of 5 is _____, that of 1 is _____ and that of 7 is _____.

(h) Write the numbers shown by the numerals: IV = ____ VII = ____ XX = ____.

(i) Write in Roman numerals: 6 = _____ 8 = _____ 14 = _____.

Do these sums.

2. (a)
$$\begin{array}{r} 5365 \\ +\ 2178 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 3428 \\ +\ 4685 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 7938 \\ -\ 2549 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 4103 \\ -\ 1576 \\ \hline \end{array}$$

3. (a) 374 + 469 + 51 (b) 23 + 34 + 56 + 67 (c) 261 + 372 + 446 (d) 2137 + 4852 + 39

4. (a) 653 + 256 – 27 (b) 800 – 357– 206 (c) 3412 – 1281 + 5290

5. (a) In a day, a printer prints 6780 copies of the morning newspaper and 2135 copies of the evening newspaper. How many copies of the newspaper does he print in a day?

(b) A farmer wants to plant 2740 trees. He has planted 1864. How many more trees does he have to plant?

(c) Rekha recorded 3275 songs. Of these, 2138 were Hindi songs, 573 were Marathi and the rest were Bengali. How many Bengali songs did she record?

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