# Numbers

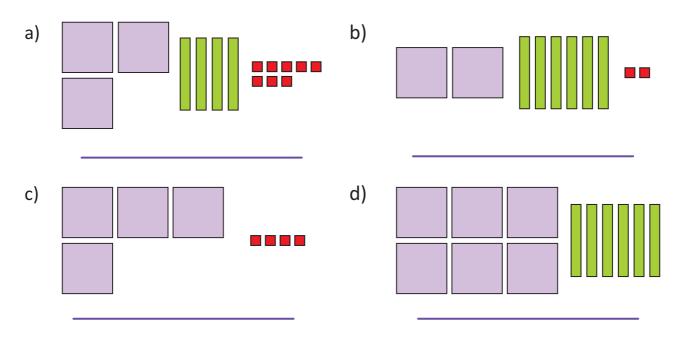
Check What I Know 🔊 🌮

# 1. Fill in the blanks.

1

# a) 10 ones make 1 \_\_\_\_\_\_ b) 10 tens make 1 \_\_\_\_\_\_

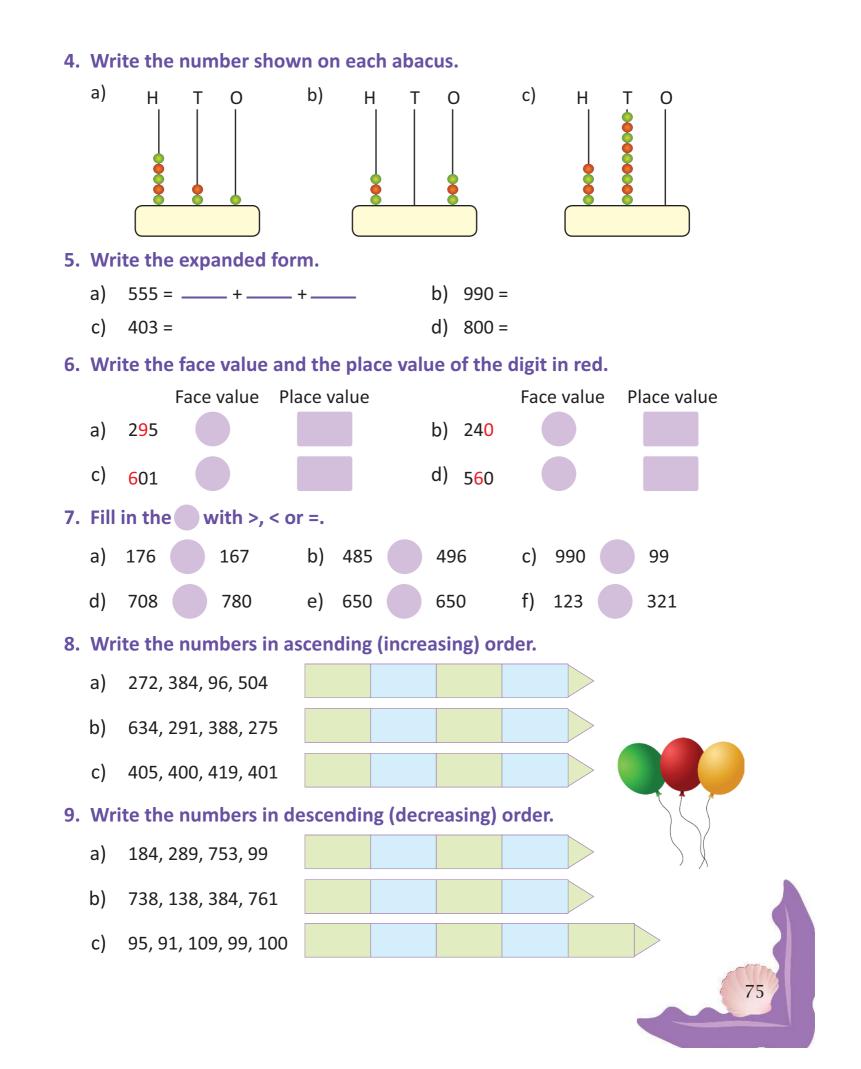
# 2. Write the number and number name.



# 3. Write the number and number name.

- a) 6 hundreds + 7 tens + 5 ones
- b) 4 hundreds + 8 tens
- c) 7 hundreds + 9 ones

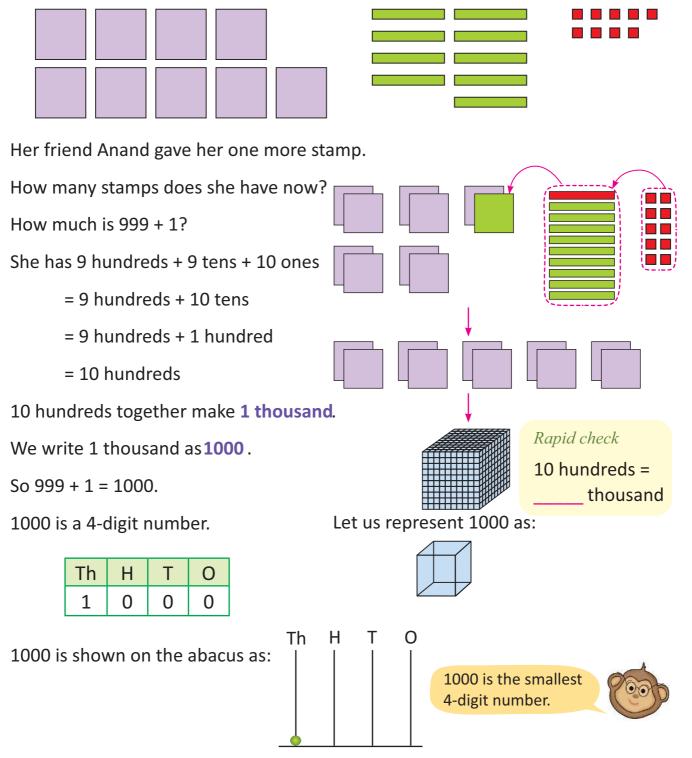




# Thousand

Rita has a big stamp collection. She has 999 stamps.

999 is 9 hundreds + 9 tens + 9 ones.



To show 1000 we use an abacus with four spikes.

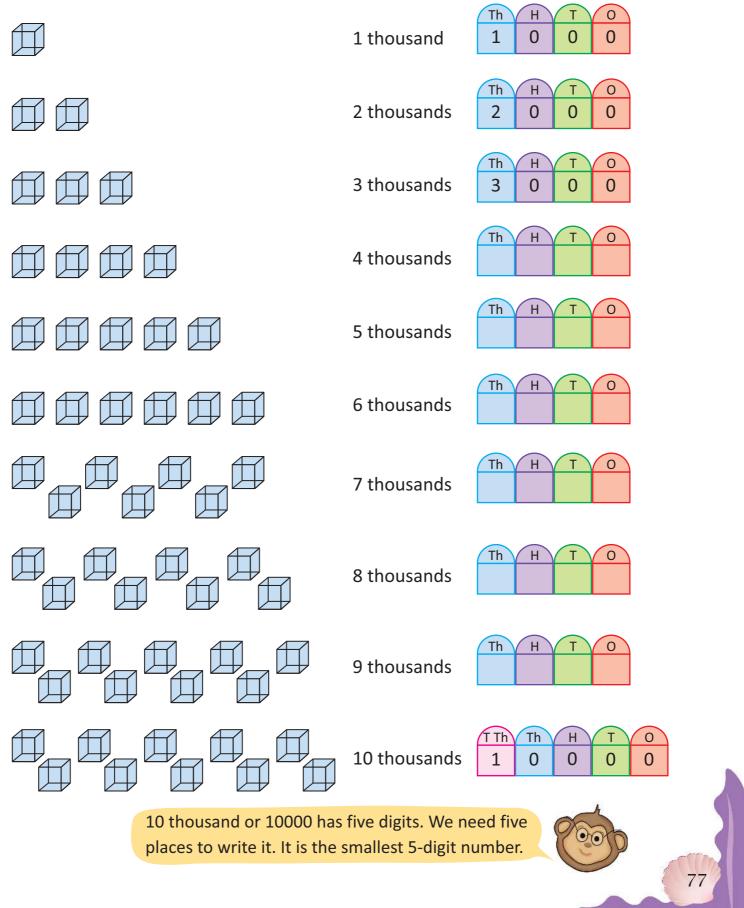
76

The spike on the left of the 'Hundreds' spike is labelled 'Thousands' or 'Th'.



# **Counting in thousands**

Fill in the blanks.



# **Building numbers beyond 1000**

Rita has 1000 stamps.

Her father gave her 1 more stamp.

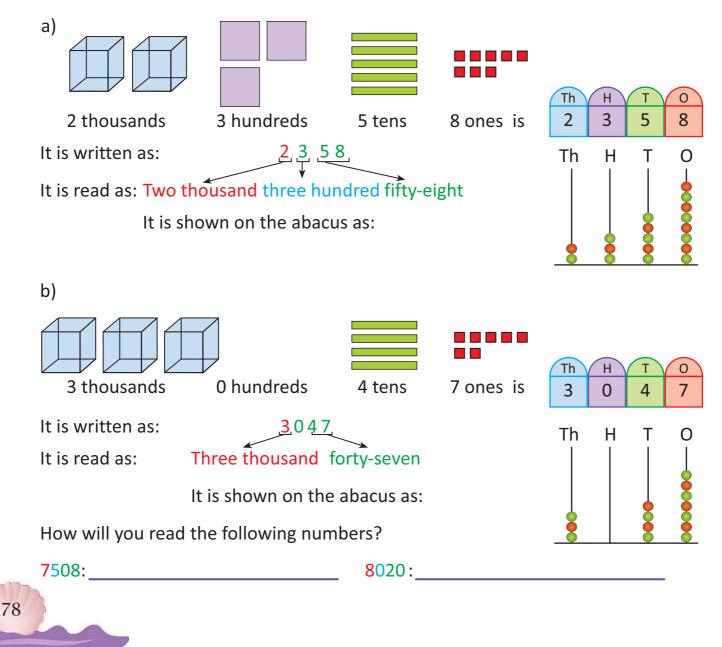
She now has 1000 + 1 = 1001 stamps.

1001 has 1 thousand, 0 hundreds, 0 tens and 1 one.

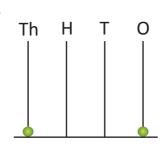
Th	Н	Т	0
1	0	0	1

The number name for 1001 is **one thousand one.** 

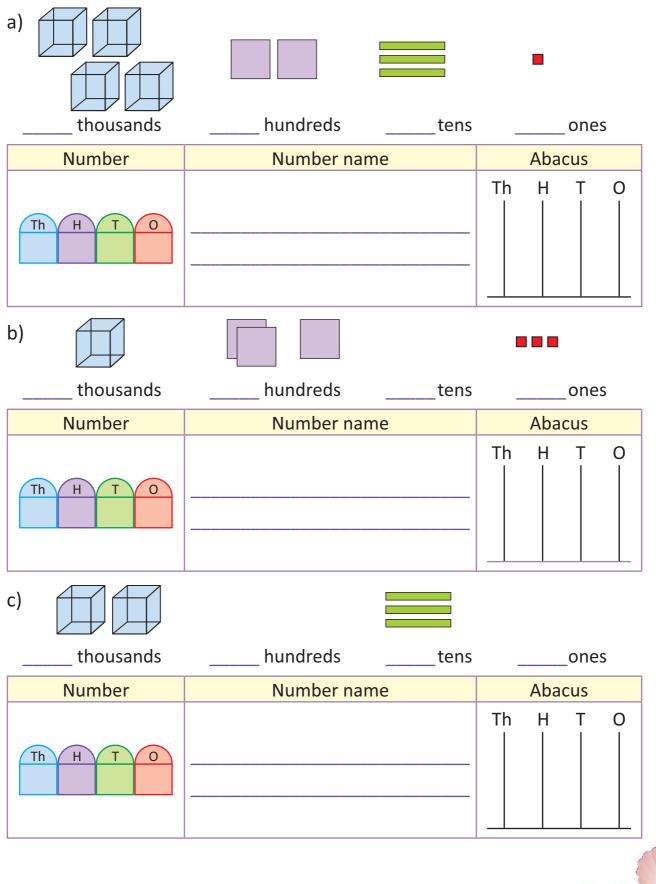
# Look at these numbers.







# **1.** Fill in the blanks and the table.



## 2. Write the number name.

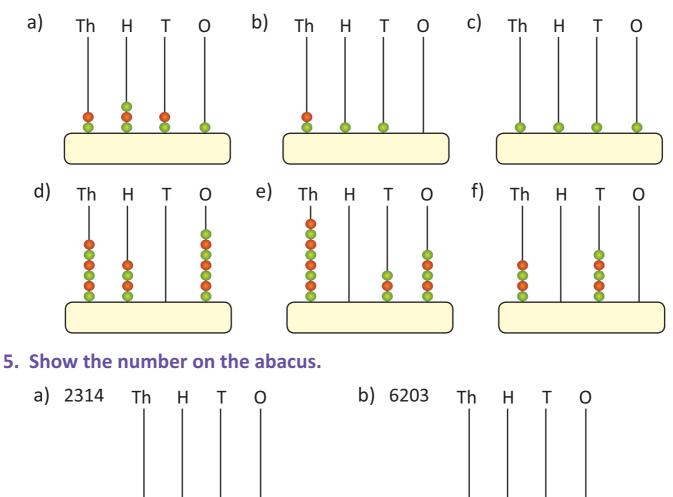
- a) 3711 = \_\_\_\_\_
- b) 8094 = \_\_\_\_\_

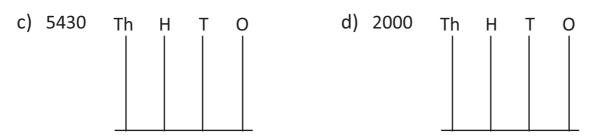
# 3. Write the numbers.

- a) One thousand four hundred twenty = \_\_\_\_\_
- b) Nine thousand seventy-one = \_\_\_\_\_
- c) Three thousand one hundred = \_\_\_\_\_
- d) Seven thousand six hundred two = \_\_\_\_\_
- 4. Write the number shown on each abacus.



vectorportal.com)

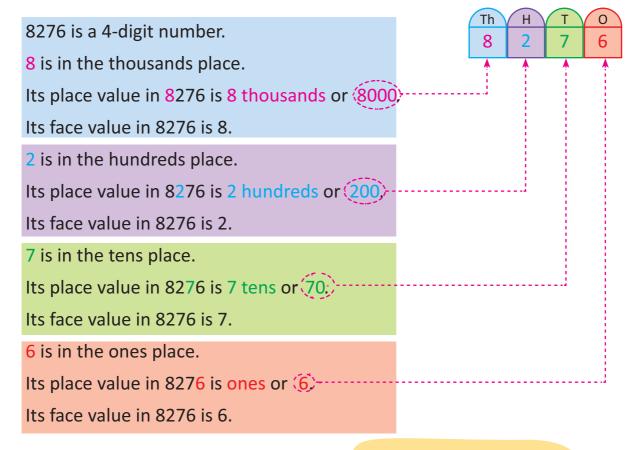




# 6. Fill in the numbers in order.

- a) 1087, <u>1088</u>, <u>1089</u>, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_,

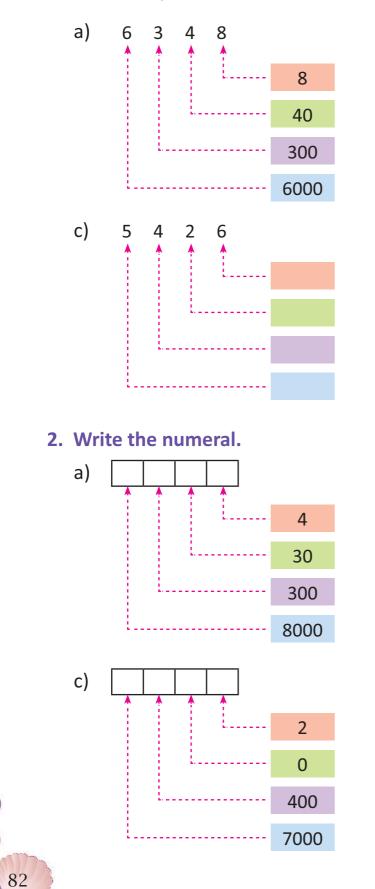
# Face value and place value

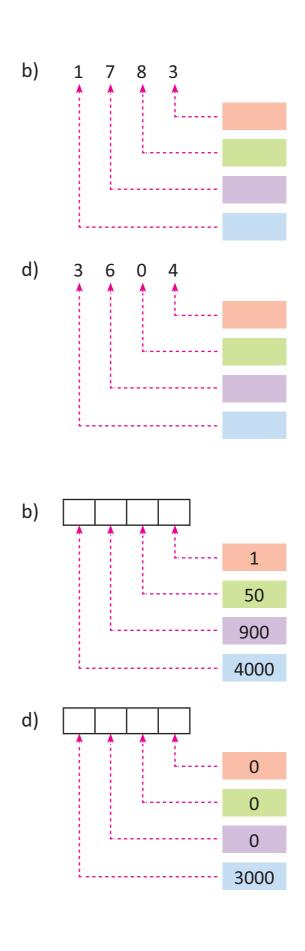


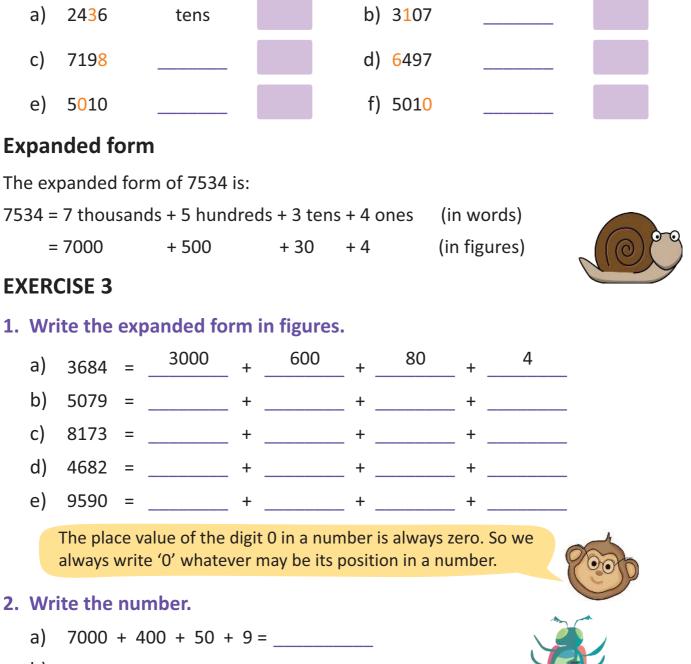


The **place value** depends on the place of the digit in the number. The **face value** of a digit is the number itself. It remains the same in all places.

# 1. Fill in the place values.







Place

3. Write the place and place value of the digit in colour.

Place value

Number

Place

Place value

# **Expanded form**

Number

- b) 6000 + 0 + 30 + 1 =
- = \_\_\_\_\_ c) 1000 + 700 + 10

# **Comparing numbers**

The junior school library has 5430 books. The senior school library has 4988 books. Which library has more books?

To answer this question you have to find which number is greater—5430 or 4988.

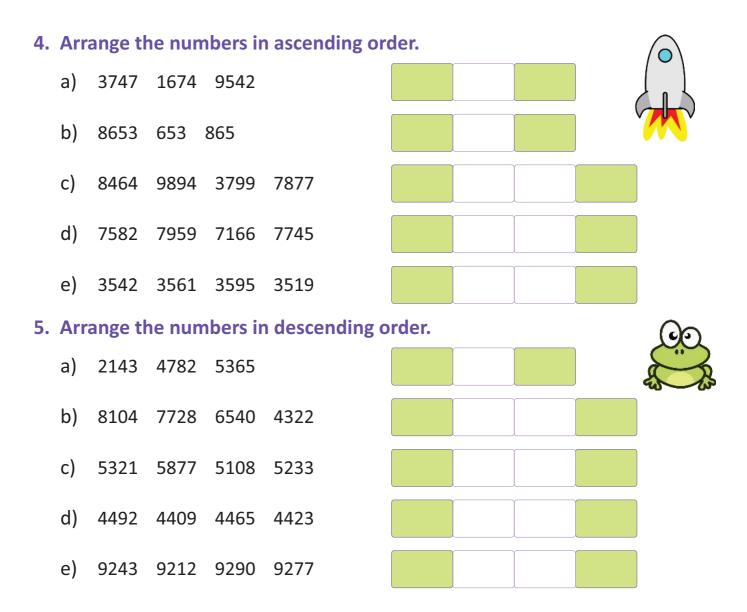
# Remember!

> means 'greater than' < means 'less than' = means 'equal to'							
54 > 50	C	50 < 54	50 =	50			
Comparing nu	mbers with	different num	per of digits		- Coo		
The number w	ith more dig	gits is always gro	eater.				
Examples: 21	25 > 949	3456 > 99	3878 > 8				
Comparing nu	mbers with	the same num	ber of digits				
1. First compa	re the thous	ands digits.		<b>5</b> 46	58 > 4972 as 5 > 4		
<ul> <li>If the thousands digits are the same, compare the hundreds digits.</li> <li>7679 &gt; 7590 as 6 &gt; 5</li> </ul>							
3. If the thousands and hundreds digits are the same, compare the tens digits. 8453 < 8472 as 5 < 7							
	<ul> <li>4. If the thousands, hundreds and tens digits are the same, compare the ones digits.</li> <li>7536 &gt; 7530 as 6 &gt; 0</li> </ul>						
EXERCISE 4							
1. Fill in the blanks with >, < or = signs.							
a) 834	< 159	1.1.	<b>b</b> )	999	1000		
c) 4375	416	52	d)	5910	5911		

84

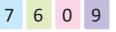
# 1.

	a)	834	<	1590	G		b)	999		1000
	c)	4375		4162		A	d)	5910		5911
	e)	7832		7838	No.	OF	f)	8544		8544
2.	Cir	cle the	greates	t numbei						
	a)	813	1001	9990	270	b)	1285	1055	1135	1288
	c)	8461	8479	8439	8410	d)	98	1020	786	999
3.	Cir	cle the	smalles	t numbe	r.					
	a)	296	8532	100	1795	b)	8421	2148	4813	1589
	c)	7478	7470	7473	7474	d)	9305	953	1999	9315



# Forming greatest and smallest numbers

**Example:** Form the greatest and the smallest 4-digit numbers using the digits:



To form the greatest 4-digit number, arrange the digits in decreasing order.

The greatest 4-digit number is:9760

To form the smallest 4-digit number, arrange the digits in increasing order. But you cannot have 0 in the thousands place, otherwise you get: 0 6 7 9 = 6 7 9 which is a 3-digit number.

85

So if there is a 0, put it in the hundreds place and not in the thousands place.

The smallest 4-digit number is: 6 0 7 9

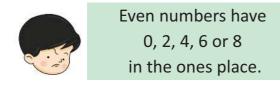
# Use the given digits to make the smallest and the greatest 4-digit numbers.

	greatest number	smallest number
a) 4, 3, 7, 1		
b) 6, 5, 0, 9		
c) 1, 0, 7, 3		
d) 8, 1, 1, 5		

# Odd and even numbers

You have read in Class 2 that:

Numbers that can be divided by 2, are called **even numbers**. Numbers that cannot be divided by 2, are called **odd numbers**.



Odd numbers have	
1, 3, 5, 7 or 9	
in the ones place.	0

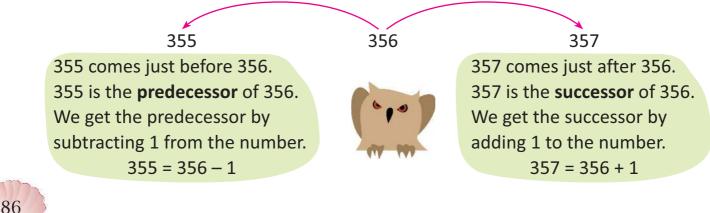


# **EXERCISE 6**

Colours the boxes with even numbers green. Colour the boxes with odd numbers blue.

67	677	776	600	700	701
2425	2426	2427	2428	2429	2430
8000	8001	8011	8022	8123	8888
5670	7650	7561	5761	5055	5550

# Predecessor–Successor



# Write the numbers.

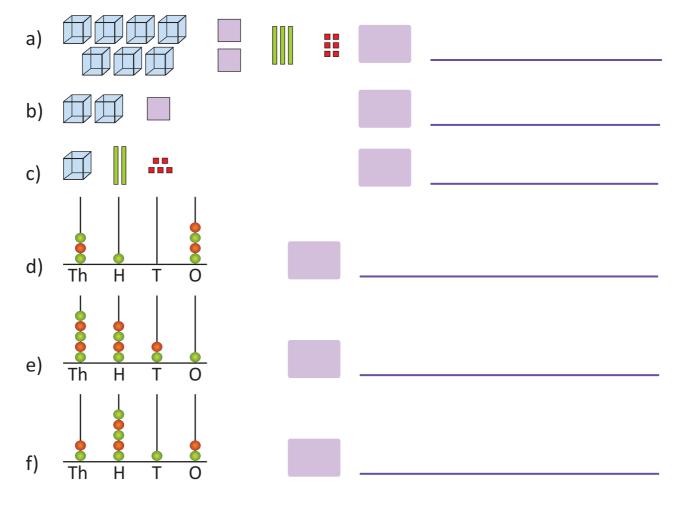
	Predecessor	Between	Successor
a)	3163	3164	3165
b)	9479		9481
c)	5788	5789	
d)		5130	
e)		7399	

# Mixed Bag

(Concept, skill, application and thinking based)

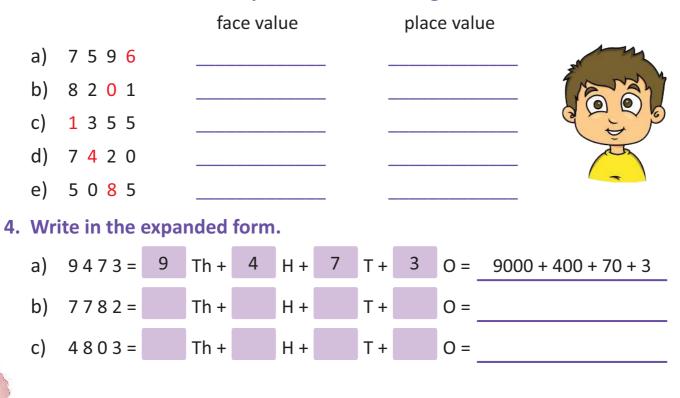
# **1.** Choose the correct answer.

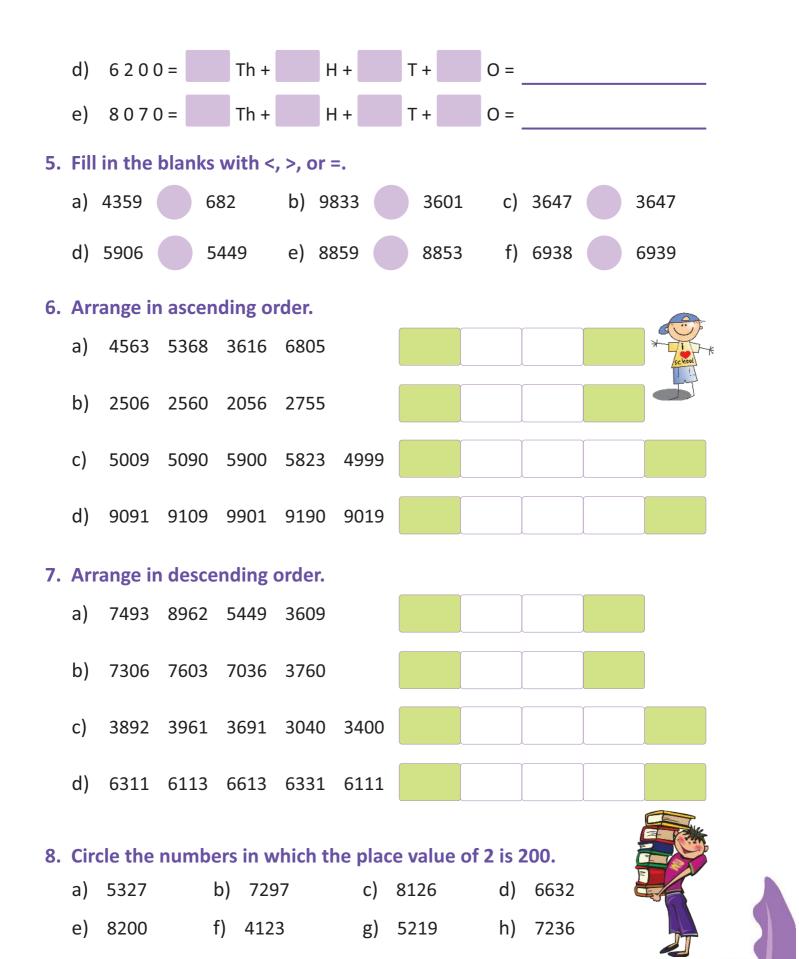
a)	The smallest 4-di	git number is:		
	i. 1111	ii. 1000	iii. 0001	iv. 1001
b)	The greatest 4-di	git number is:		
	i. 9990	ii. 9999	iii. 10000	iv. 9000
c)	The smallest 4-di	git number formed	by the digits 6, 0, 0	), 9 is:
	i. 0069	ii. 6009	iii. 9006	iv. 6900
d)	The face value of	5 in 3567 is:		
	i. 5000	ii. 500	iii. 50	iv. 5
e)	Which is the large	est 4-digit even nun	nber?	
	i. 9999	ii. 9998	iii. 9000	iv. 10000
f)	The place value o	f 0 in 6079 is:		
	i. 0	ii. 10	iii. 100	iv. 1000
				87



# 2. Write the number and the number name.

# 3. Write the face value and place value of the digit in red.





# 9. Applying 4-digit numbers (story sums)

- Ashok's school fee is ₹ 3456 per month. While paying, the tens and hundreds digits got interchanged. Did Ashok's parents have to pay less or more than the actual fee?
- b) Vijay and Ajay went jogging in the morning. Vijay took 1056 steps. Ajay took 1065 steps. Who took more steps?
- c) Sahiba bought a sweet for ₹ 1. She gave a ₹ 500 note to the shopkeeper. How much money did the shopkeeper return to her?
- d) Mamta wants to buy a dress that costs ₹ 2450. She has one
   ₹ 2000 note and one ₹ 500 note. Does she have enough money to buy the dress?



# What is:

90

1. 1 less than	2. 1 more than	3. 10 less than	4. 10 more than
a) 4783	a) 3862	a)6580	a) 2004
b) 5604	b) 7000	b)7933	b) 7952
c) 3299	c) 5999	c)8591	c) 3491
5. 100 less than	6. 100 more than	7. 1000 less than	8. 1000 more than
	0	7. 1000 less than a) 9284	8. 1000 more than a) 8049
a) 7542	0	0	8
a) 7542 b) 6135	a) 2891	a)9284	a) 8049

FA







# Cross-curricular Questions

The four highest mountains in the world have the following heights from sea level. Arrange them in descending order.

Mount Godwin Austen: 8611 metres

Lhotse: 8516 metres

Mount Everest: 8848 metres

Kanchenjunga: 8586 metres





- 1. If you add 1 to the greatest 4-digit number, what do you get?
- 2. What is the difference between the successor and predecessor of a number?
- 3. Which is the smallest 4-digit number in which all digits are different?
- 4. Which is the greatest 4-digit number in which all digits are different?



FA



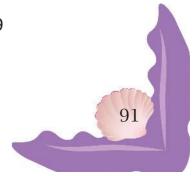
Manav and his three neighbourhood friends were born in the following years.

Manav: 2000 Manisha: 1997

Arnav: 2004

Somya: 1999

Arrange the children's names in ascending order of their ages.





# Solve the crossword puzzle.

### Across

- 1. 100 more than 3128
- 2. The successor of 999
- 3. Five thousand six hundred four
- 4. 10 more than 2000

### Down

- 1. Counting in thousands, the number before 4125.
- 5. 2 thousands 5 tens 2 ones
- 6. Eight thousand sixty
- 7. The number between 5400 and 5402.

1	5	6	
2			7
	3		
	4		



Find out the lengths of five of the world's longest rivers in kilometres. Arrange the lengths in descending order.

You can find the lengths from the site: http://en.wikipedia.org/wiki/List\_of\_ rivers\_by\_length



# Maths Lab Activity 🐟 🎇 🥓 FA

**Objective:** To form 4-digit numbers

Material required: Number cards 0–9, made on cardboard

Method: Let students work in groups of five. Give each group a set of number cards 0–9. Let them make 4-digit numbers using the cards.

- One student in the group makes ten 4-digit numbers beginning with 1, by arranging the three other cards.
- The second student records each number in figures.
- The third student records them in words.
- The fourth student records them in expanded form.
- The fifth student identifies the greatest and smallest numbers made.

Change the duties allotted to the students, with the second student making numbers beginning with 2, and so on.

