

UNIT 1: NUMERATION AND NOTATION

➤ **Writing numbers in words.**

- | | | |
|-------|--------|---|
| (i) | 2 | Two |
| (ii) | 95 | Ninety five |
| (iii) | 379 | Three hundred and seventy nine |
| (iv) | 6 254 | Six thousand two hundred and fifty four |
| (v) | 72 181 | Seventy two thousand one hundred and eighty one |

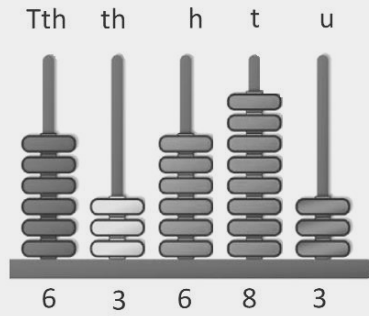
Ex. 1: Write the following in figures.

- (a) Fifty six _____
- (b) Forty seven _____
- (c) Nine hundred and eighty _____
- (d) Seven thousand six hundred and twelve _____
- (e) One thousand and one _____
- (f) Forty three thousand eight hundred and forty six _____
- (g) Fifty three thousand two hundred and nineteen _____
- (h) Ninety nine thousand and twenty six _____
- (i) Twenty thousand and thirteen _____

Ex. 2: Write the following numbers in words.

- (a) 25 _____
- (b) 79 _____
- (c) 123 _____
- (d) 381 _____
- (e) 5 346 _____
- (f) 9 672 _____
- (g) 87 465 _____
- (h) 56 347 _____
- (i) 21 450 _____
- (j) 98 765 _____
- (k) 84 219 _____

➤ Numbers & Expanded form



$$63\,683 = 6 \text{ ten thousands} + 3 \text{ thousands} + 6 \text{ hundreds} + 8 \text{ tens} + 3 \text{ units}$$

$$63\,683 = (6 \times 10\,000) + (3 \times 1\,000) + (6 \times 100) + (8 \times 10) + (3 \times 1)$$

$$63\,683 = 60\,000 + 3\,000 + 600 + 80 + 3$$

Ex. 3: Write the following numerals in expanded form. The first one has been done for you.

(a) **56 781** = 5 ten thousands + 6 thousands + 7 hundreds + 8 tens + 1 unit
 = $(5 \times 10\,000) + (6 \times 1\,000) + (7 \times 100) + (8 \times 10) + (1 \times 1)$
 = $50\,000 + 6\,000 + 700 + 80 + 1$

(b) **58 327** = _____

(c) **60 569** = _____

(d) **89 043** = _____

(e) **13 496** = _____

(f) **73 054** = _____

Ex. 4: Complete

- (a) 2 ten thousands + 5 thousands + six hundreds + 4 tens + 7 units = _____
- (b) 7 ten thousands + 2 units + 8 hundreds + 6 tens = _____
- (c) $70\,000 + 4\,000 + 300 + 20 + 4 =$ _____
- (d) $50\,000 + 6\,000 + 100\,000 + 50 + 8 + 400 =$ _____
- (e) $(3 \times 10\,000) + (5 \times 1\,000) + (7 \times 100) + (9 \times 10) + (2 \times 1) =$ _____
- (f) $(7 \times 100) + (4 \times 10\,000) + (6 \times 1) =$ _____

⇒ 5-digits numbers & Place Value

Ten thousands (Tth)	Thousands (Th)	Hundreds (H)	Tens (T)	Units (U)
 ●	 ● ● ● ● ●	 ●	 ● ● ● ● ●	 ● ● ● ● ●

The place value of 3 in 37 265 is 3 ten thousands. (30 000)

The place value of 7 in 37 265 is 7 thousands. (7 000)

The place value of 2 in 37 265 is 2 hundreds. (200)

The place value of 6 in 37 265 is 6 tens. (60)

The place value of 5 in 37 265 is 5 units. (5)

Ex. 5: Write down the place value of each of the following:

- | | |
|----------------------------|----------------------------|
| (a) 4 in 98 413 _____ | (b) 7 in 78 469 _____ |
| (c) 6 in 48 576 _____ | (d) 2 in 32 569 _____ |
| (e) 8 in 36 785 _____ | (f) 9 in 9 876 _____ |

Ex. 6: Complete the following : In 97 354,

- (a) The digit _____ is in the ten thousands place.
- (b) the value of the digit 5 is _____.
- (c) The digit 3 is in the _____ place.
- (d) The value of the digit _____ is 7 000.
- (e) The digit 4 is in the _____ place.

Ex. 7: Complete the following : In 456 089,

- (a) the digit _____ is in the thousands place.
 - (b) the value of the digit 5 is _____.
 - (c) the digit 0 is in the _____ place.
 - (d) the value of the digit _____ is 80.
 - (e) the digit 9 is in the _____ place.
-

Ex.8: Using the digits 6, 8, 9, 1 and 5 only once, write down

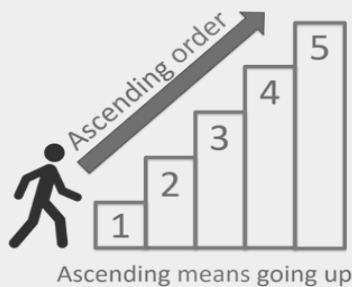
- (a) the largest 5-digit number that can be formed : _____
 - (b) the least 5-digit number that can be formed : _____
-

Ex.9: Using the digits 7, 2, 6, 3 and 0 only once, write down

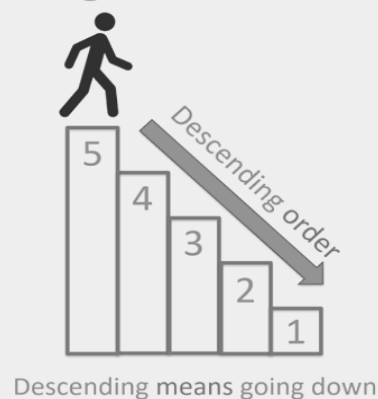
- (a) the largest 5-digit number that can be formed : _____
- (b) the least 5-digit number that can be formed : _____

⇒ **Ascending & descending order**

Ascending
smallest to largest



Descending
largest to smallest



Example

(a) Arrange the following in **ascending order**.

321, 123, 57, 75

Solution

57, 75, 123, 321

(b) Arrange the following in **descending order**.

23, 67, 32, 76

Solution

76, 67, 32, 23

Ex.10: Arrange the following numbers in ascending order.

(a) 823, 912, 483, 832 : _____

(b) 9 674, 5 647, 8 157, 3 947 : _____

(c) 8 766, 8 676, 8 767, 8 677 : _____

(d) 19 816, 19 861, 19 814, 19 841 : _____

Ex.11: Arrange the following numbers in descending order.

(a) 963, 396, 693, 369 : _____

(b) 8 452, 8 532, 8 423, 8 325 : _____

(c) 19 132, 19 123, 19 321, 11 239, 11 293 : _____

(d) 26 931, 26 391, 26 319, 26 139 : _____

UNIT 2: ADDITION & SUBTRACTION

Ex. 1: Work out.

$$\begin{array}{r} \text{(a)} \quad 3 \quad 4 \quad 2 \quad 9 \\ + \quad 5 \quad 5 \quad 3 \quad 1 \\ \hline \\ \hline \end{array}$$

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

$$\begin{array}{r} \text{(e)} \quad 1 \quad 0 \quad 9 \quad 4 \\ + \quad 5 \quad 4 \quad 3 \quad 9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{(b)} \quad 3 \quad 5 \quad 2 \quad 4 \quad 7 \\ + \quad 1 \quad 2 \quad 7 \quad 3 \quad 9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{(d)} \quad 6 \quad 2 \quad 8 \quad 3 \quad 5 \\ + \quad 1 \quad 5 \quad 4 \quad 9 \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{(f)} \quad 5 \quad 0 \quad 9 \quad 1 \quad 2 \\ + \quad 2 \quad 7 \quad 3 \quad 2 \quad 6 \\ \hline \\ \hline \end{array}$$

Ex. 2: Find the sum of the following numbers.

(a) 4 386 and 2 931

(b) 3 278 and 869

(c) 44 387 and 25 242

(d) 5 612 and 19 176

Ex. 3: Word problems.

(a) Ayrah spends Rs 8, 374 in December.
She spent Rs 1, 359 in November.
How much money does she spend **in all**?

(b) Mr Rajoo spends Rs 6 700 on rent, Rs 18 965
on bills and Rs 15 950 on food. How much
money does he spend **in all**?

Answer : Rs

Answer : Rs

(c) Body&Soul sells 1296 dresses in a month.
 Roxy shop sells 1780 more than Body&Soul in
 the same month.
 How many dresses both shops sell in the month?

Answer :

(d) A baker sells 1 365 macarons in August.
 He sells 356 less macarons in September than
 in August. How many macarons does the baker
 sell for the two months?

Answer :

Ex. 4: Work out.

$$\begin{array}{r}
 \text{(a)} \quad 9 \quad 4 \quad 3 \quad 8 \\
 - \quad 4 \quad 7 \quad 2 \quad 1 \\
 \hline
 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{(b)} \quad 8 \quad 0 \quad 8 \quad 3 \\
 - \quad \quad 2 \quad 3 \quad 7 \\
 \hline
 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{(c)} \quad 7 \quad 6 \quad 9 \quad 4 \\
 - \quad 5 \quad 4 \quad 3 \quad 9 \\
 \hline
 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{(d)} \quad 4 \quad 5 \quad 6 \quad 3 \quad 7 \\
 - \quad 1 \quad 8 \quad 7 \quad 4 \quad 9 \\
 \hline
 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{(e)} \quad 1 \quad 2 \quad 0 \quad 4 \quad 5 \\
 - \quad \quad 5 \quad 4 \quad 9 \quad 7 \\
 \hline
 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{(f)} \quad 3 \quad 0 \quad 9 \quad 0 \quad 2 \\
 - \quad 2 \quad 7 \quad 3 \quad 5 \quad 6 \\
 \hline
 \\
 \hline
 \hline
 \end{array}$$

Ex. 5: Find the difference between the following numbers.

(a) 37 486 and 15 396

Answer :

(b) 72 589 and 5 741

Answer :

(c) 64 087 and 35 458

Answer :

(d) 65 336 and 9 170

Answer :

Ex. 6: Word problems

(a) Mr Rani uses 407 kg of flour to bake cakes.
She uses 256 kg of flour to bake bread.
How many fewer flour does she use for the bread?

Answer :

(b) Father pays Rs 45 636 for an Iphone. He pays
Rs 11 356 less for a laptop. How much does the
laptop cost?

Answer :

(c) Melanie sold some flowers on Sunday.
She sold 7 389 flowers on Saturday.
The total number of flowers she sold on these two
days was 12 853.
How many flowers did she sell on Sunday?

Answer :

(d) Kayla has Rs 10 875. Zara has Rs 9 396 and
Solena has Rs 7 023.
(i) How much money does Kayla have more
than Zara?
(ii) How much money does Zarat have more
than Solena?

Answer :

Word problems (Mixed exercises)

7. Complete the table below.

	Country	Men	Women	Total number of tourists
(a)	China	10 873	8 227	.....
(b)	USA	.....	21 300	36 250
(c)	UK	17 599	.....	35 660
(d)	France	.....	25 000	45 255
(e)	Reunion	20 100	.....	60 300

8. During a certain year, 56 312 Science books were printed. Some of the books were distributed in schools. There were 4 896 books left. How many books were distributed ?

Answer :

9. Sania has 12 545 stamps in her collection. Ravi has 10 545 stamps in her collection.

- (a) How many more stamps does Sania have than Ravi?
(b) How many stamps do they have altogether?

(a) Answer :

(b) Answer :

10. Mr Didier earns Rs 41 540 per month. Mr Luca earns Rs 3 896 more than Mr Didier. Mrs Louis earns Rs 8423 more than Mr Luca. How much money do they earn in all?

Answer :

11. Nazia has 6 381 stickers. Feroz has 2 156 less stickers than Nazia.

Enzo has 4 352 stickers more than Feroz. Calculate:

- (a) The number of stickers Feroz has.
(b) The number of stickers Enzo has.
(c) The total number of stickers the 3 friends have.

(a) Answer :

(b) Answer :

(c) Answer :

UNIT 3: MULTIPLICATION

Ex. 1: Work out.

(a)	2	3	1		(b)		4	3	1	2	(c)	6	1	3	0
		X	2						X	3				X	4
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(d)	1	2	8	9	(e)	1	0	5	6	7	(f)	8	2	3	9
			X	5					X	6				X	8
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Multiplication (by 10's)														
(a)					(b)									
		3	1	5					⁺¹	⁺³				
		X	1	0					X	5	0			
		3	1	5	0				1	6	3	0	0	
		<hr/>							<hr/>					
									16	13	30			

Ex. 2: Work out.

(a)		3	4	6	(b)		8	2	9	(c)		1	4	8	
		X	1	0			X	2	0			X	3	0	
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<hr/>				<hr/>				<hr/>				<hr/>			
(d)		3	0	9	(e)		8	4	7	(f)		2	5	6	
		X	4	0			X	5	0			X	6	0	
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(g)		2	8	9	(h)		5	6	7	(i)		7	8	9	
		X	7	0			X	8	0			X	9	0	
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