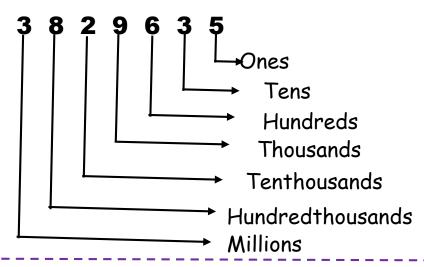
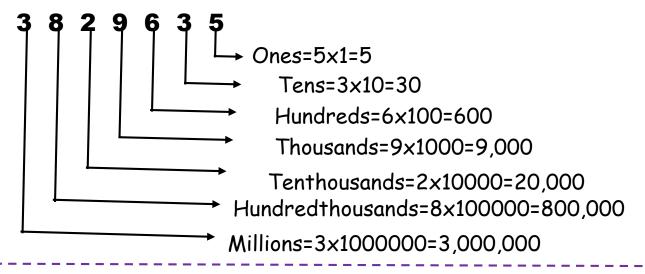
CONTENT: Finding place values and values

Examples

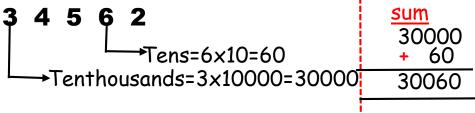
Identify the place value of each digit in the number below

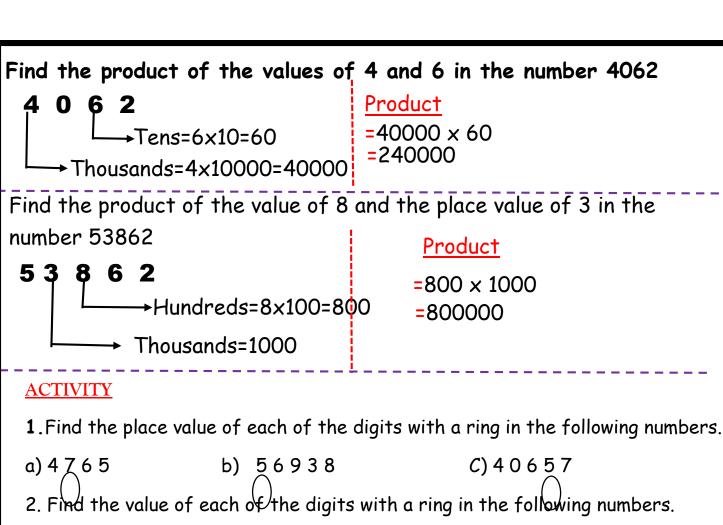


Find the value of each digit in the number below



Find the sum of the values of 3 and 6 in the number 34562





- a) 3 (7)4
- b) 4(2)5 8 9
- c) 4)6 9 594
- 3. Find the sum of the values of 4 and 6 in the number 63478.
- 4. Workout the product of the values of 3 and 5 in the number 3765.
- 6. Represent the following numbers on an abacus.
- a) 4302

b) 3205

c) 2520

TOPIC: WHOLE NUMBERS

CONTENT: Writing whole numbers in words and in figures

Examples

Write the following numbers in words

a) 8 2 9 6 3 5

Thousands	Units
829	635

829,635= Eight hundred twenty nine thousand six hundred thirty five.

b) 99035

Million	Thousands	Units
	99	035

99,035=Ninety nine thousand thirty five.

c) 40215

Million	Thousands	Units
	40	215

40,215=Forty thousand two hundred fifteen.

- 2. Write the following in figures
 - a) Forty nine thousand fifteen.

b) Ninety six thousand forty. 96000

Million	Thousands	Units	
	3	048	

3048=Three thousand forty eight.

ACTIVITY

- 1. Write the following numbers in words.
- a) 4 7 6 5 b) 5 6 9 3 8 C) 40657
- d) 55009

- 2. Write the following in figures.
- a) Forty six thousand eighty five.
- b) Seventy two thousand two hundred fifty thirteen.
- c) Ninety hundred four thousand nineteen.

TOPIC: WHOLE NUMBERS

CONTENT: Forming numbers using digits

Examples

- 1. Given the digits 3,4,6 write down all the 3-digit numbers formed using the digits above.
- =346,364,436,463,634,643
- 2. Given the digits 0,4,1 write down all the 3-digit numbers formed using the digits above.
- =104,140,403,430
- 3. Given the digits 2,4,1 and6
- a) Write down the smallest 4-digit number that can be formed using the above digits.
- =1246

b) Write down the largest 4-digit number that can be formed using the above digits.

=6421

- 4. Given the digits 2,0,4 and1
- a) Write down the smallest 4-digit number that can be formed using the above digits.
- =1024
- b) Write down the largest 4-digit number that can be formed using the above digits.
 - =4210

Activity

- 1. Given the digits 5,9 and 6 write down all the 3-digit numbers formed using the digits above.
- 2. Given the digits 0,6 and 7 write down all the 3-digit numbers formed using the digits above.
- 3. Given the digits 9,8,1 and2
- a) Write down the smallest 4-digit number that can be formed using the above digits.
- b) Write down the largest 4-digit number that can be formed using the above digits.
- c) Find the sum of the smallest and the largest numbers formed.
- 4. Given the digits 3,8,0 and2
 - a) Write down the smallest 4-digit number that can be formed using the above digits.
 - b) Write down the largest 4-digit number that can be formed using the above digits.
 - c) Find the sum of the smallest and the largest numbers formed.

CONTENT: Writing whole numbers in expanded form using place values and values Examples

- 1. Expand the following using place values
 - a.) 9812

TH	Н	T	0
9	8	1	2

b) 23012

TTH	TH	Н	Τ	0	=(2×10000) + (3×100) + (0×10) + (1×10)+ (2×1)
2	3	0	1	2	

- 2. Expand the following using values
- a) 927

Н	Т	0
9	2	7

$$=(9\times100) + (2\times10) + (7\times1)$$

b) 4812

ТН	Н	Т	0
4	8	1	2

$$=(4\times1000) + (8\times100) + (1\times10) + (2\times1)$$

Activity

- 1.Expand the following using place values.
- a) 234

b) 3427

c) 7924

- 2.Expand the following using values.
 - a) 534

b) 7269

c) 68934

CONTENT: Writing whole numbers in expanded form using powers of ten

- 1 Expand the following using place values
 - a) 9812

10 ³	10 ²	10 ¹	10°
9	8	1	2

 $9812=(9\times10^3) + (8\times10^2) + (1\times10^1) + (2\times10^0)$

10 ⁴	10 ³	10 ²	10¹	10°
2	3	5	1	2

 $=(2\times10^4)+(3\times10^3)+(5\times10^2)+(1\times10^1)+(2\times10^0)$

10 ²	10 ¹	10 ⁰	
9	2	7	

$$=(9\times10^2)+(2\times10^1)+(7\times10^0)$$

Activity

- 1.Expand the following using powers of ten.
- a) 234

b) 3427

c) 7924

c) 534

d) 7269

c) 68934

CONTENT: Rounding off whole numbers

Examples

1. Round 578 off to the nearest tens. b) 3 6 4

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

2. Round 5378 off to the nearest hundreds

5378 +100 5400 3 638

b) 3 6 3 8

3. Round 5378 off to the nearest thousands

25678 <u>+1000</u> 26000 b) 23978 +0000 23000

Activity

1. Round off the following to the nearest tens

a) 234

b) 3427

c) 7929

2. Round off the following to the nearest hundreds.

a) 534

b) 7269

c) 68934

3. Round off the following to the nearest thousands.

a) 8421

b) 8269

c) 12934

4. Round off 236578 to the nearest ten thousands.

CONTENT: Writing natural numbers in Roman Numerals

Basics of Roman Numerals

1	5	10	50	100	500	1000
L	V	X	L	C	Q	W

4 =IV	6=VI	9=IX	2=11	3=111
40 =XL	60=LX	90=XC	20=XX	30=XXX
400 =CD	600=DC	900= <i>C</i> M	200= <i>CC</i>	300= <i>CCC</i>
			2000=MM	3000=MMM

1. Convert 96 into Roman numerals

$$96 = 90 + 6$$

2. Convert LIX in Hindu Arabic numerals

$$LIX = 50 + 9$$

= 59

Activity

1. Write the following numbers in Roman Numerals

- a) 54
- b) 49
- c) 99
- d) 955 e) 415

2. Write the following Roman Numerals into Hindu Arabic Numerals

a) LIX

- b) XCIX c) LXXXIV d) MDCIV

3. Alex is XLIX years old. Express his years in Hindu Arabic numerals