

Tender Heart High School: Sec - 33B, Chandigarh

Class: V

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Subject: MATHEMATICS

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Ex 1.4 Ch-1 Large Numbers.

Q1. Write the numbers with commas according to the two place value systems. Also write the numbers in words in each system.

1. Indian System: $\rightarrow$

23,65,358 $\rightarrow$ Twenty-three lakh sixty-five thousand three hundred fifty eight.

International System: $\rightarrow$

2,365,358 $\rightarrow$ Two million three hundred sixty-five thousand three hundred fifty-eight.

2. Indian System: $\rightarrow$

9,91,60,001 $\rightarrow$ Nine crore ninety-one lakh sixty thousand one.

International System: $\rightarrow$

99,160,001 $\rightarrow$ Ninety-nine million one hundred sixty thousand one.

Q2. Put $>$, $<$ or $=$ in the $\bigcirc$.

1. 542,478 $\bigcirc$ 5,42,748

2. 4,35,69,385 $\bigcirc$ 43,560,381

3. 274,369 $\bigcirc$ 2,74,369

Rounding a Number to the Nearest Ten

Step 1. Look at the ones digit of the given number.

Step 2. If ones digit is less than 5, replace ones digit by 0 and keep the other digits as they are.

Step 3. If ones digit is 5 or more, increase tens digit by 1 and replace ones digit by 0.

Rounding a Number to the Nearest Hundred

Step 1: → Look at the tens digit of the given number

Step 2: → If tens digit is less than 5, replace each one of the hundreds, tens and ones digits by 0 and keep the other digits as they are.

Step 3: → If tens digit is 5 or more, increase hundreds digit by 1 and replace each digit on its right by 0.

We may extend the ideas for large numbers.

Exercise 1.5

Q1. Round off the given numbers to the nearest 10

1. $53\underline{1}4 \approx 5310$

The given number is $\overset{\text{TH}}{5}\overset{\text{H}}{3}\overset{\text{T}}{1}\overset{\text{O}}{4}$

Its ones digit is $4 < 5$

$\therefore$ Rounded number to the nearest 10 = 5310

2. $87\underline{6}7 \approx 8770$

The given number is $\overset{\text{TH}}{8}\overset{\text{H}}{7}\overset{\text{T}}{6}\overset{\text{O}}{7}$

Its ones digit is $7 > 5$

$\therefore$ Rounded number to the nearest 10 = 8770

Q2. Round off the given numbers to the nearest 100.

1. $8150 \approx 8200$

The given number is $\overset{\text{TH}}{8}\overset{\text{H}}{1}\overset{\text{T}}{5}\overset{\text{O}}{0}$

Its tens digit is $5 = 5$

$\therefore$ Rounded number to the nearest 100 = 8200

2. $46\underline{0}8 \approx 4600$

Its tens digit is $0 < 5$

$\therefore$ Rounded number to the nearest 100 = 4600

Q3. Round off the given numbers to the nearest 1000.

$\overset{\text{TH}}{9}\overset{\text{H}}{2}\overset{\text{T}}{1}\overset{\text{O}}{1} \approx 9000$

The given number is $9211^{\text{TH TD}}$

Its hundreds digit is $2 < 5$

$\therefore$ Rounded number to the nearest 1000 is 9000

ROMAN NUMBERS

The Roman System uses seven letters from the Latin alphabet to write numbers.

Roman numbers

Hindu-Arabic numbers.

I

1

V

5

X

10

L

50

C

100

D

500

M

1000

$\Rightarrow$ I can only be subtracted from V and X.

$\Rightarrow$ X can only be subtracted from L and C

$\Rightarrow$ C can only be subtracted from D and M

$\Rightarrow$ V, L, D are never subtracted.

$\Rightarrow$ No number can be repeated more than 3 times.

Exercise 1.6

A. Convert to Roman numbers.

1. $64 \rightarrow 60 + 4 = LXIV$

5. $165 \rightarrow 100 + 50 + 10 + 5 = CLXV$

2. $119 \rightarrow 100 + 19 = CXIX$

6. $197 \rightarrow 100 + 90 + 7 = CXC VII$

3. $126 \rightarrow 100 + 20 + 6 = CXXVI$

7. $233 \rightarrow 200 + 30 + 3 = CCXXXIII$

4. $146 \rightarrow 100 + 40 + 6 = CXLVI$

8. $1272 \rightarrow 1000 + 200 + 70 + 2 = MXXCLXXII$

9. $2355 \rightarrow 2000 + 300 + 50 + 5 = MMCCCLV$

B. Convert to Hindu-Arabic numbers.

1. $XCIII = (100-10) + 3 = 90+3 = 93$

2. $LXXXIV = 50 + 30 + 4 = 84$

3. $CXXXI = 100 + 30 + 1 = 131$

4. $MCCXXXVIII = 1000 + 100 + 100 + 30 + 8 = 1238$

ROMAN NUMBERS 1 to 50 $\rightarrow$

1	I	22	XXII	43	XLIII
2	II	23	XXIII	44	XLIV
3	III	24	XXIV	45	XLV
4	IV	25	XXV	46	XLVI
5	V	26	XXVI	47	XLVII
6	VI	27	XXVII	48	XLVIII
7	VII	28	XXVIII	49	XLIX
8	VIII	29	XXIX	50	L
9	IX	30	XXX		
10	X	31	XXXI		
11	XI	32	XXXII		
12	XII	33	XXXIII		
13	XIII	34	XXXIV		
14	XIV	35	XXXV		
15	XV	36	XXXVI		
16	XVI	37	XXXVII		
17	XVII	38	XXXVIII		
18	XVIII	39	XXXIX		
19	XIX	40	XL		
20	XX	41	XLI		
21	XXI	42	XLII		