

Exercise 1.7

Question: 1

Estimate the following by rounding off each factor to nearest hundreds:

i) $730 + 998$

ii) $796 - 314$

iii) $875 - 384$

Solution:

i) $700 + 1000 = 1700$

ii) $800 - 300 = 500$

iii) $900 - 400 = 500$

Question: 2

Estimate the following by rounding off each factor to nearest thousands:

i) $12904 + 2888$

ii) $28292 - 21496$

Solution:

i) $13000 + 3000 = 16000$

ii) $28000 - 21000 = 7000$

Question: 3

Estimate the following by rounding off each number to its greatest place:

i) $439 + 334 + 4317$

ii) $8325 - 491$

iii) $108734 - 47599$

iv) 898×785

v) 9×795

vi) 87×317

Solution:

i) $400 + 300 + 4000 = 4700$

ii) $8000 - 500 = 7500$

iii) $100000 - 500000 = 50000$

iv) $900 \times 800 = 720000$

v) $10 \times 800 = 8000$

vi) $90 \times 300 = 27000$

Question: 4

Find the estimated quotient for each of the following by rounding off each number to its greatest place :

i) $878 \div 28$

ii) $745 \div 24$

iii) $4489 \div 394$

Solution:

i) $900 \div 30 = 30$

ii) $700 \div 20 = 35$

iii) $4000 \div 400 = 10$

Question: 5

Write the expression for each of the following statements using brackets:

i) Four multiplied by the sum of 13 and 7

ii) Eight multiplied by the difference of four from nine.

iii) Divide the difference of twenty eight and seven by 3.

The sum of 3 and 7 is multiplied by the difference of twelve and eight.

Solution:



i) $4 \times (13 + 7)$

ii) $8 \times (9 - 4)$

iii) $28 - 73$

iv) $(3 + 7) \times (12 - 8)$

Question: 6

Simplify each of the following:

i) $124 - (12 - 2) \times 9$

ii) $(13 + 7) \times (9 - 4) - 18$

iii) $210 - (14 - 4) \times (18 + 2) - 10$

Solution:

i) 34

ii) 82

iii) 0

Question: 7

Simplify each of the following:

i) 7×109

ii) 6×112

iii) 9×105

iv) 17×109

v) 16×108

vi) 12×105

vii) 102×103

viii) 101×105

ix) 109×107

Solution:



- i) 763
- ii) 672
- iii) 945
- iv) 1853
- v) 1728
- vi) 1260
- vii) 10506
- viii) 10605
- ix) 11663

Question: 8

Write the roman – numerals for each of the following:

- i) 33
- ii) 48
- iii) 76
- iv) 95

Solution:

- i) XXXIII
- ii) XLVIII
- iii) LXXVI
- iv) XCV

Question: 9

Write the following in roman numerals:

- i) 154
- ii) 173
- iii) 248



iv) 319

Solution:

i) CLIV

ii) CLXXIII

iii) CCXLVIII

iv) CCCXIX

Question: 10

Write the following in roman numerals:

i) 1008

ii) 2718

iii) 3906

iv) 3794

Solution:

i) KVIII

ii) KKDCCXVIII

iii) KKKCKVI

iv) KKKDCCXCIV

Question: 11

Write the following in roman numerals:

i) 4201

ii) 10009

iii) 44000

iv) 25819

Solution:



- i) IVCCI
- ii) XIX
- iii) XLIV
- iv) XXVDCCCXIX

Question: 12

Write the following in Hindu – Arabic numerical:

- i) XXVI
- ii) XXIX
- iii) LXXII
- iv) XCI

Solution:

- i) 26
- ii) 29
- iii) 72
- iv) 91

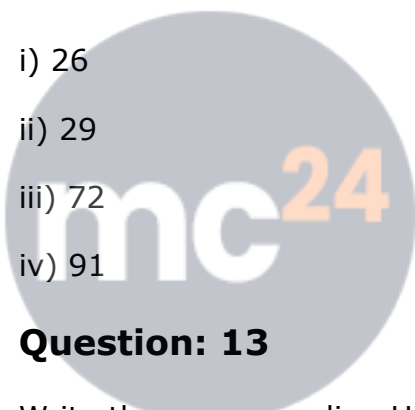
Question: 13

Write the corresponding Hindu – Arabic numerical for each of the following:

- i) CIX
- ii) CLXXII
- iii) CCLIV
- iv) CCCXXIX

Solution:

- i) 109
- ii) 172
- iii) 254
- iv) 329



Question: 14

Write the corresponding Hindu – Arabic numerical for each of the following:

- i) KXIX
- ii) KDLXV
- iii) KKCXXIII
- iv) KKKDCXL

Solution:

- i) 1019
- ii) 1565
- iii) 2123
- iv) 3640

Question: 15

Write the following in Hindu – Arabic numerical:

- i) $\overline{\text{IVCDXLIV}}$
- ii) $\overline{\text{VICKXLIX}}$
- iii) $\overline{\text{IXCCCXCI}}$
- iv) $\overline{\text{LXXIX}}$

Solution:

- i) 4444
- ii) 6949
- iii) 9391
- iv) 70009

Question: 16

Which of the following is meaningless?

- i) $\overline{\text{IICC}} <$

ii) KKKCCXI

iii) XD

iv) VC

Solution:

(i) and (iii) are meaningless.

