**Class -VI Sub: Mathematics(COURSE BOOK) Date- 13-05-2020**

**Ch-1 Numbers**

**Exercise 1.3**

1. Population in 2000= 343785

Increase in population= 51307

Therefore, population in 2005= 395092

Ans: The population of the city in 2005 was 395092

1. a) Weight of apples = 2457 kg

 Weight of oranges = 3004 kg

 Therefore, total weight of oranges and apples = 2457 kg + 3004 kg = 5461 kg

Ans: The total weight of oranges and apples= 5461 kg

 b) Weight of apples sold = 2457 kg

 Cost of 1 kg apple = ₹ 40

 Total money Andrew got by selling apples = ₹(2457\*40)

 2457

 \*40

 0000

 9828\*

 98280

 Ans: Andrew got ₹98280 by selling the apples

 c) Money Andrew got by selling apples = ₹(2457\*40)=₹98280

 Money Andrew got by selling oranges = ₹(3004\*30) = ₹90120

 Therefore, total money Andrew got by selling apples and oranges= ₹98280+ ₹90120

 98280

 + 90120

 188400

 Ans: Total money Andrew got by selling apples and oranges together is ₹188400

 d)

|  |  |
| --- | --- |
| Things | Money Received |
| ApplesOrangesCombsToothbrushesPencilsNotebooksSoap cakes | ₹(2457\*40) = ₹98280₹( 3004\*30) = ₹90120₹( 22760\*3) = ₹68280₹(25367\*10) = ₹253670₹(38530\*1) = ₹ 35830₹(40002\*6) = ₹ 240012₹(20005\*8)= ₹ 160040 |

 Amounts in descending order - ₹253670<₹240012<₹160040<₹98280<₹90120 <₹68280<₹35830

 Toothbrushes brought him the highest amount, which is ₹253670

1. No. of scooters sold in 2003-2004 = 842003

No, of scooters sold in 2004-2005 = 920200

Clearly more number of scooters were sold in 2004-2005 as 9 in the lakhs place is greater than the 8 in the lakhs place.

Difference in sale = 920200-842003

 920200

 - 842003

 78197

 Ans: More number of scooters were sold in 2004-05 with a difference of 78197

 6. No. of sheets available = 75000

 No. of pages that can be made per sheet = 8

 Therefore, total number of pages that can be made = 75000\*8 = 600000

 No. of pages per notebook = 200

 Therefore, total number of notebooks that can be made = 600000 / 200

 3000

 200 )600000

 600

Ans: 3000 notebooks can be made from the paper available

 10. No. of days in year 2006 = 365

 No. of holidays =96

 Therefore number of working days = 365 - 96 = 269

 No. of toys produced each day = 450

 Therefore, total no. of toys produced in 2006 = 450\*269

 450

 \*269

 4050

 2700\*

 900\*\*

 12150

Ans: 121050 toys were produced in 2006

 12. Distance walked by Rohit in one day = 6350 ft

 Total no. of days = 120

 Therefore, total distance walked by Rohit = (6350\*120) ft

 6350

 \*120

 0000

 12700\*

 6350\*\*

 762000

 Ans: Rohit walked 762000 ft in 120 days

 14. Milk contained in bigger container with capacity = 5L 500mL (Since 1L=1000mL

 = 5000mL+500mL 5L = 5000mL)

 = 5500mL

 Capacity of smaller containers =25mL

 Required no. of containers of capacity 25mL = 5500 mL/25mL

 220

 25)5500

 -50

 50

 50

 \*

Ans: There are 220 containers required

**Exercise 1.4**

1. i) 341

Since the ones digit is less than 5, we replace the ones digit with 0, and leave the tens digit unchanged.

So, the estimated number is 340

iv) 2467

Here, the ones digit is more than 5, so we replace it by 0, and increase 6 by 1

So, the estimated number is 2470

1. i) 2586

Here, the tens digit is more than 5, so we replace the ones and tens digit with 00 and increase the hundreds digit by 1

So, the estimated number is 2600

iii) 35789

Since the tens digit is more than 5, so we replace the tens and ones digit with 00 and increase the hundreds digit by 1

So, the estimated number is 35800

1. i) 4684

Since, the hundreds digit is more than 5, so we replace the hundreds, tens and ones place with 000 and increase the thousands digit by 1

So, the estimated number is 5000

ii) 137243

Since, the hundreds digit is less than 5, so we replace the hundreds, tens and ones digit with 000 and leave the thousands digit unchanged

So, the estimated number is 137000

1. i) 436+334+4317

Rounding off to nearest hundreds,

 439 400

 334 300

 4317 +4300

 Estimated Sum = 5000

 Rounding off to nearest tens,

 439 440

 334 330

 4317 +4320

 Estimated Sum = 5090

ii) 108734-47599

 Estimating to the nearest hundreds

 108734 108700

 47599 - 47600

 Estimated Sum = 61100

 Estimating to the nearest tens

 108734 108730

 47599 - 47600

 Estimated Sum = 61130

1. ii)5673-436

Estimating to the nearest hundreds

 5673 5700

 436 - 400

 Estimated difference =5300

 iii) 13805 + 2868

 Estimating to the nearest hundreds

 13805 13800

 2868 +2900

 Estimated sum = 16700

1. i) 958 \* 387

 The numbers are estimated to the nearest greatest value,

 958 960

 387 390

 Estimated product =960\*390=37400

ii)4295/7

 The numbers are estimated to the nearest greatest value,

 4295 4300

 7 10

 Estimated quotient = 4300/10 = 430

**Exercise 1.5**

1. ii) 6\*(8-3)

iii)80 / 4 \* (3+2)

v) (12+3) \* (5-3)

 2. i) 12 \* 105 = (10+2) \* 105

 = 10\*105 + 2\*105

 = 1050 + 210

 = 1260 (Ans)

 ii) 202 \* 205 = (200+2) \* (200+5)

 =200\*200 + 200\*5 + 2\*200 + 2\*5

 =40000 + 1000 + 400 + 10

 = 41410 (Ans)

 3. iv) 81 = 50 + 10 + 10+ 10 + 1 =L + X + X + X + I = LXXXI

 V) 105 = 100 + 5 = C + V = CV

 4. iii) LXXVI = 50+10+10+6= 76

 iv) XC = 100-10 = 90

 v) XCIV = (100-10) + 4 = 94

**Home Assignment:**

Note down the above work neatly in your notebooks. Notebooks will be corrected once the school reopens.

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