**25th MAY 2020 Jesus and Mary School Module - 4**

 **Class-5**

 **Mathematics**

 **Chapter- Estimation**

To round off the sum and the difference of two given numbers.

1. **Round off the sum of 2 numbers to the nearest tens.**

**Example –** 5276 + 2154

**Solution –**First of all we will round off the given numbers.

5276

 Greater than 5

. Increased by 1

 Hence round off number is 5280

 2 1 5 4

 Less than 5

 No change

. Hence round off number is 2150

 Now we will find the sum of 2 rounding numbers.

 5280

 +2150

 7430

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 Hence the estimated sum of above 2 numbers is 7430

**2.Rounding off the difference of 2 numbers to the nearest hundreds.**

**Example -**  8442 – 3621

First of all we will round off the given numbers.

 8 4 4 2

 Less than 5

 No change

 Hence round off number is 8400

 3 6 2 1

 Less than 5

 No change

 Hence round of number is 3600

 Now we will find the difference of 2 rounding off numbers.

 8400

 - 3600

4800

 Hence the estimated difference of above 2 rounding offf numbers is 4800

**2. To round off the product and quotient the given numbers –**

Rounding off the product of 2 numbers to the nearest hundreds

**Example :**118 X 256

 Actual product Estimated product

 118 100

 X 256­ X 300­\_\_

 708 000

 509X 000X

 236XX 300XX\_

 30208\_ \_ 30000\_

 Hence the product of above 2 rounding off numbers is 30,000

1. Rounding off the dividend to the nearest 1000 and divisor to the nearest 10

**Example-** 15750 ÷ 37

16000÷ 40 ( Estimated form)

 4 0 ) 1 6 0 0 0 ( 4 0 0

 160\_

 XXX 0

 0\_\_

 X 0

 0\_

 X

 Estimated qualtient = 400

**Work Sheet – 4**

1. Estimate each sum to the nearest thousands.
2. 74694981 **(b)** 64196492

 + 48128723 + 26237559

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1. Estimate each difference to the nearest thousands.
2. 8664879**(b)** 748456

 - 3129124 - 362794

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1. Estimate the product to the nearest 100
2. 728 x 201 **(b)** 3256 X 271 **(c)** 315 X 513
3. Estimate the quotient by rounding off the dividend to the nearest 1000 and divisor to the nearest 10 .
4. 5673 ÷ 21 **(b)**  15750 ÷ 37 **(c)** 5369 ÷ 12

**Solution of Worksheet – 3 UPLOADED ON 18TH MAY 2020**

**Ans.1 (a)** 20**(b)** 20 **(c)** 3,430

**Ans.2 (a)** 500 **(b)** 16,400 **(c)** 20,100

**Ans.3 (a)** 6,000 **(b)** 6,000 **(c)** 58,000

**Ans.4 (a)** 4,60,000 **(b)** 60,000 **(c)** 90,000