**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