Worksheet: - 3 Subject: - Mathematics Class:-V Teacher:-Mrs. Poonam Sunil Name:-____ Class & Sec.:-___ Roll No.:-___ Date:-11/9/2020

Revision Assignment-1

Good Morning Students! Today we will do HCF:-

<u>Highest Common Factor:</u> The greatest number which is common factor of two or more given numbers is called their highest common factor(HCF) or Greatest common division (GCD)

Exercise -4(C) Q3 Find the HCF using prime factorisation method. a) 16 and 60 120 2 48 2/16 2/60 60 24 230 2 30 12 3 15 15 6 16 = @x@x2x2 60 = 0x0 x 3 x 5 48 = (2x2x2) HCF = 2x9 = 4 HCF = 2x2x2x3 65 150 and 25 225 150 75 25 25 25 = 5x5 65 = 5x13 Acf = 5 An 150= 2XBX BXB 225= BX3 XBXB HCF = 3×5×5 =

| e) 210 and 480 | 144, 180 and 192 |
|--|-------------------|
| | |
| 2 210 2 480 | 2 144 2 180 2 192 |
| 3 105 2 240 | 272 290 296 |
| 5 35 2 120 | 2 36 3 45 2 48 |
| 77 260 | 2 18 3 15 2 24 |
| 1 230 | 3 9 5 5 2 12 |
| 3 15 | 3 3 1 2 6 |
| 5 5 | 3 3 |
| | 1 1 |
| 210 = (2)x(3)x(5)x 7 | 144=@x@x2x2x3x3 |
| 480 = BX2X2X2XBXB | 180 = 0x0x3x3×5 |
| HCF = 2x3x5 = 30 Am | 192-6x2x2x2x2x3) |
| 1101 = 2000 | HCF= 2×2 × 3 = 5 |
| Ta. T- 314 | = 12 Am |
| f) 85 and 480 | No Named to be |
| 785 | ことと かんりん こ くらし |
| 5 85 2 480 | 1 |
| 17 17 2 240 | |
| 2 120 | 1 22 La 12 (c) |
| 2 60 | |
| 2 30 | |
| 3 15 | 2461 21- |
| 5 5 | |
| | |
| - O.17 | |
| 85-GX17 | TIME STATE |
| $\frac{480 = 2 \times 2 \times 2 \times 2 \times 2 \times 3 \times 5}{1000}$ | 1 2 2 4 6 |
| HCF= 5 Any | - 31 |