(a) 4 and 8 (b) 4 and 10 (d) 9 and 12 (e) 10 and 25 (g) 2, 4 and 8 (h) 4, 6 and 8 (f) 6, 9 and 12 (e) 10 and 25 (g) 2, 4 and 8 (h) 4, 6 and 8 (f) 6, 9 and 15 (k) 8, 12 and 16 (g) 6, 9 and 15 (k) 8, 12 and 16 (g) 72 and 126 (h) 165 and 275 37. (a) 45 and 30 (b) 45 and 75 (c) 40, 48 and 72 (d) 56, 48 and 228 (e) 44, 121 and 132 (f) 128, 39. (a) 140, 26 and 135 (f) 128, 39. (a) 140, 238 (b) 504, 40. (a) 170, 238 (b) 504, 41. (a) 390 and 663 (b) 504, 51. (a) 390 and 663 (b) 504 (c) 275 and 180 (f) 1435 (g) 7625 and 180 (g) 7625 and 180 (g) 7625 and 180 (g) 144, 61 (g) 804, 42 and 1347 (h) 345, 42 (g) 1233, 726, 531 and 437 (h) 345, 43 (a) 1233, 726, 531 and 345 (b) 1328, 70 (b) 399, 690, 1575 (c) 960, 1575 (d) 1045 (d) 1612, 690, 1575 (d) 1045 (d) 1612, 6912 (d) 1614, 6120, 6	(d) 512, 945 46. Find, by inspecnumbers:
(g) 45, 125 and 225 (h) 240, 320 and 360 (c) 25, 30 and 40 (d) 36, 60, 84 and 91 (c) 26, 14 and 91 (d) 36, 60, 84 and 90 (e) 16, 28, 40, 72 (d) 28, 36, 45, 60 (e) 144, 180, 384 (f) 48, 64, 72, 96, 108 (e) 144, 180, 384 (f) 48, 64, 72, 96, 108 (e) 144, 180, 384 (f) 48, 64, 72, 96, 108 (e) 144, 180, 384 (f) 48, 64, 72, 96, 108 (e) 12, 18 and 90 (d) 45, 35 and 21 (e) 16, 90, 91, 280 and 455 (d) 44, 126, 198 and 280 (c) 4, 6, 8, 12, 18 and 90 (d) 12, 36, 16, 24 and 32 (e) 16, 90, 91, 280 and 455 (f) 203, 329 (g) 17, 221 (e) 16, 236 (f) 234, 572 (c) 693, 1078 (d) 145, 232 (e) 861, 1353 (f) 2923, 3239 (g) 17, 23, 29 (f) 24, 35, 40 (f) 30, 72, 432 (g) 17, 23, 29 (f) 24, 35, 40 (f) 30, 72, 432 (g) 17, 23, 29 (f) 24, 36, 40 (f) 30, 72, 432 (g) 17, 23, 29 (f) 24, 36, 40 (f) 30, 72, 432 (g) 17, 23, 29 (f) 186, 403 (f) 24, 36, 40 (f) 30, 72, 432 (g) 17, 23, 29 (f) 186, 403 (f) 28, 310 (f) 387, 145 (f) 186, 403 (f) 38, 7145 (f) 186, 403 (f) 26, 51 ind the greatest number that will divide 24 and 33 and 44 without leaving a remainder. 60. Find the greatest number that will divide 39, 52 and 65 leaving a remainder in each case? 61. Find the greatest number that will divide 39, 52 and 65 leaving remainders 3, 4 and 5 leaving a remainder in each case? 62. Find the greatest number which when divided by 12 and 18, leaves no remainder. 63. Find the greatest number which when divided by 12 and 18, leaves no remainder.	by each of the numbers 6, 15 and 18. 65. Find the least number which when divided by 15 and 25, leaves 1 as remainder in each case. 66. Find the least number which when divided by 18 and 12, leaves 5 as remainder in each case. 67. The product of two numbers is 48 and their HCF is 2. Find their LCM. 69. The product of two numbers is 108 and their LCM is 36. Find their HCF. 70. The product of two numbers is 216 and their LCM is 36. Find their HCF. 71. The HCF of two numbers is 3 and their LCM is 36. If one of the numbers is 12, find the other number. 72. The HCF of two numbers is 12, find the other number. 96. If one of the numbers is 24, find the other number.
(a) 4 and 8 (b) 4 and 10 (c) 3 and 15 (d) 9 and 12 (e) 10 and 25 (f) 35 and 49 (g) 2, 4 and 8 (h) 4, 6 and 8 (l) 3, 6 and 9 (g) 2, 4 and 8 (h) 4, 6 and 8 (l) 3, 6 and 9 (g) 2, 4 and 15 (k) 8, 12 and 16 (l) 18, 24 and 32 (g) 72 and 15 (k) 8, 12 and 75 (c) 30 and 105 (d) 54 and 81 (e) 64 and 80 (f) 58 and 174 (g) 72 and 126 (h) 165 and 275 (l) 480 and 720 38. (a) 12, 36 and 48 (b) 25, 40 and 60 (c) 240, 48 and 72 (d) 56, 42 and 140 (e) 44, 121 and 132 (f) 128, 136 and 512 39. (a) 140 and 196 (b) 352 and 192 (c) 216 and 630 (d) 540, 315 and 360 (e) 216, 324 and 1350 (d) 540, 315 and 360 (e) 216, 324 and 1350 (d) 540, 315 and 360 (e) 106, 159, 371 (f) 272, 425 (g) 144, 252, 630 (h) 1197, 5320, 4389 Find the HCF, using the division method (Using Euclid's division algorithm): 41. (a) 390 and 663 (f) 12350 and 6845 (k) 10568 and 9247 (l) 12350 and 6845 (l) 5610 and 10465 (l) 12350 and 683 (l) 5610 and 10465 (l) 12350 and 683 (l) 5610 and 1347 (l) 3536 and 33150 (l) 639, 873 and 747 (d) 612, 816 and 448 (e) 176, 1100 and 4444 (f) 808, 568 and 1112 (g) 432, 1134 and 1347 (h) 345, 726 and 531 43 (l) 1265, 2096 (l) 1045, 1520 (l) 1045, 1520 (l) 1965, 2096 (l) 1045, 1520 (l) 1045, 1520 (l) 1045, 1520 (l) 1965, 2096 (l) 299, 437 (l) 391, 425, 527 (l) 1794, 2346, 4761 48, 512, 504 (l) 161, 192 (l) 184, 1701 (l) 184, 184, 184, 184, 185, 186, 197 (l) 185, 2096 (l) 161, 192 (l) 184, 1701 (l) 184, 184, 184, 184, 185, 186, 197 (l) 184, 187, 187, 187, 187, 187, 187, 187, 187	(1) 847, 1014 (C) 4 and 8 (C) 4 and 8 (F) 9 and 3 (F) 9 and 16 (F) 9 and 16 (F) 9 and 18 (F) 2, 9 and 18 (F) 2, 9 and 18 (F) 8 and 12 (F) 6 and 21 (F) 6 and 21 (F) 6 and 21 (F) 6 and 21 (F) 6 and 12 (F) 6 and 15 (F) 6 and 165 (F) 6 and 105 (F) 7 and 189

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55. Reduce each of the following fractions to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       59. Find the greatest number that will divide 22, 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   62. Find the greatest number that will divide 39, 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          and 65 leaving remainders 3, 4 and 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         63. Find the least number which when divided by 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     64. Find the least number which is exactly divisible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      65. Find the least number which when divided by 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     66. Find the least number which when divided by 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                68. The product of two numbers is 875 and their
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            70. The product of two numbers is 216 and their
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          71. The HCF of two numbers is 3 and their LCM is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               72. The HCF of two numbers is 8 and their LCM is
                                                                                                                                                                                                                                                                   54. Find the LCM of the numbers by finding their
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           58. Find the greatest number that will divide 24 and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        60. Find the greatest number that will divide 33 and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  67. The product of two numbers is 48 and their HCF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               69. The product of two numbers is 108 and their
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                36. If one of the numbers is 12, find the other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      96. If one of the numbers is 24, find the other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61. What is the largest number that will divide 61,
                                                                                                                                                                                                                      (c) 4, 6, 8, 12, 18 and 90 (d) 12, 36, 16, 24 and 32 (e) 16, 90, 91, 280 and 455
                                                                                                                                                                                                                                                                                                                  (a) 110 and 88 (b) 420 and 360 (c) 204 and 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             33 and 75 leaving Sas remainder In each case?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               and 25, leaves 1 as remainder in each case.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             and 12, leaves 5 as remainder in each case.
                                                                                                                    Find the LCM of the numbers by division:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               45 leaving a remainder 9 in each case.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              by each ofthe numbers 6, 15 and 18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  and 44 without leaving a remainder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   36 without leaving a remainder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 and 18, leaves no remainder.
                                                                                                                                                                                                                                                                                                                                                                                     (a) \frac{161}{207} (b) \frac{517}{799} (c) \frac{296}{481} 56. Find the HCF and LCM of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LCM is 36. Find their HCF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LCM is 36. Find their HCF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HCF is 5. Find their LCM.
                                                                                                                                                                                              53. (a) 15, 45, 125 and 225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          product = (\dot{H}CF \times LCM).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        is 2. Find their LCM.
                                                                                                                                                 52. (a) 21, 63 and 105
50. (a) 25, 30 and 40 (c) 26, 14 and 91
                                                                                                                                                                        (c) 12, 18 and 90
                                                                      (c) 16, 28, 40, 77 (e) 144, 180, 384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      57. For each pair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (d) 145, 232
(g) 17, 23, 29
                                                                                                                                                                                                                                                                                                                                                                   lowest terms:
                                               51. (a) 36, 60, 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     respectively.
                                                                                                                                                                                                                                                                                                                                                                                                                                               (a) 117, 221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (a) 87, 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             number.
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                                                 24 and 32
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and 18
0 and 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            umbers:
                                                                                                                                               and 720
                                                                                                   and 105
and 174
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and 49
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1014
                       and 9
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                                                                                                                                                                                                                                                                   d 360
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ind 25
                                                                                                                                                                                              140
d 512
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nd 3
nd 16
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92
335
1594
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of numbers, verify that their

(c) 490, 1155

(b) 186, 403

(c) 693, 1078 (f) 2923, 3239 (i) 30, 72, 432

(e) 861, 1353 (h) 24, 36, 40

(b) 234, 572

(d) $\frac{1095}{1168}$ (e) $\frac{368}{496}$

(b) 64, 96 and 112 (d) 45, 35 and 21 (b) 44, 126, 198 and 280

(h) 240, 320 and 360 (b) 42, 36 and 21 (d) 36, 60, 84 and 90 (b) 36, 40, 126 (d) 28, 36, 45, 60 (f) 48, 64, 72, 96, 108

(g) 45, 125 and 225

MVN