Worksheet

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Problem quickname: 4978

<u>1)</u>

Find the value requested, the greatest common divisor (gcd) or the least common multiple (lcm).

   a) What is the gcd of 56 and 84? First, find the divisors of each number.
$D_{56} = \{1, 2, \ldots\}$; $D_{84} = \{1, 2, \ldots\}$

   b) The lcm of 2 and 52 is? First, find the multiples of both numbers. Multiples of 2: $2, 4 \ldots$; Multiples of 52: $52, 104 \ldots$

   c) What is the gcd of 66 and 88? First, find the divisors of each number.
$D_{66} = \{1, 2, \ldots\}$; $D_{88} = \{1, 2, \ldots\}$

   d) The lcm of 6 and 7 is? First, find the multiples of both numbers. Multiples of 6: $6, 12 \ldots$; Multiples of 7: $7, 14 \ldots$

   e) The lcm of 4 and 40 is? First, find the multiples of both numbers. Multiples of 4: $4, 8 \ldots$; Multiples of 40: $40, 80 \ldots$

   f) The lcm of 2 and 60 is? First, find the multiples of both numbers. Multiples of 2: $2, 4 \ldots$; Multiples of 60: $60, 120 \ldots$

   g) What is the gcd of 44 and 66? First, find the divisors of each number.
$D_{44} = \{1, 2, \ldots\}$; $D_{66} = \{1, 2, \ldots\}$

   h) The lcm of 2 and 56 is? First, find the multiples of both numbers. Multiples of 2: $2, 4 \ldots$; Multiples of 56: $56, 112 \ldots$

<u>2)</u>

Find the value requested.

   a) What is the gcd of 54 and 81? First, find the divisors of each number.

   b) What is the gcd of 63 and 84? First, find the divisors of each number.

   c) What is the gcd of 64 and 96? First, find the divisors of each number.

   d) What is the gcd of 60 and 90? First, find the divisors of each number.

   e) What is the gcd of 66 and 99? First, find the divisors of each number.

   f) What is the gcd of 63 and 84? First, find the divisors of each number.

   g) What is the gcd of 46 and 92? First, find the divisors of each number.

h) What is the gcd of 64 and 96? First, find the divisors of each number.

<u>3)</u>

Find the value requested, the least common multiple (lcm).

a) The lcm of 2 and 144 is? First, find the multiples of both numbers. Multiples of 2: $2, 4 \ldots$; Multiples of 144: $144, 288 \ldots$

b) The lcm of 25 and 35 is? First, find the multiples of both numbers. Multiples of 25: $25, 50 \ldots$; Multiples of 35: $35, 70 \ldots$

c) The lcm of 9 and 33 is? First, find the multiples of both numbers. Multiples of 9: $9, 18 \ldots$; Multiples of 33: $33, 66 \ldots$

d) The lcm of 9 and 81 is? First, find the multiples of both numbers. Multiples of 9: $9, 18 \ldots$; Multiples of 81: $81, 162 \ldots$

e) The lcm of 11 and 15 is? First, find the multiples of both numbers. Multiples of 11: $11, 22 \ldots$; Multiples of 15: $15, 30 \ldots$

f) The lcm of 14 and 49 is? First, find the multiples of both numbers. Multiples of 14: $14, 28 \ldots$; Multiples of 49: $49, 98 \ldots$

g) The lcm of 12 and 22 is? First, find the multiples of both numbers. Multiples of 12: $12, 24 \ldots$; Multiples of 22: $22, 44 \ldots$

h) The lcm of 7 and 22 is? First, find the multiples of both numbers. Multiples of 7: $7, 14 \ldots$; Multiples of 22: $22, 44 \ldots$

<u>4)</u>

Find the value requested.

a) The lcm of 2 and 80 is? First, find the multiples of both numbers. Multiples of 2: $2, 4 \ldots$; Multiples of 80: $80, 160 \ldots$

b) What is the gcd of 54 and 81? First, find the divisors of each number.
$D_{54} = \{1, 2, \ldots\}$; $D_{81} = \{1, 3, \ldots\}$

c) The lcm of 2 and 88 is? First, find the multiples of both numbers. Multiples of 2: $2, 4 \ldots$; Multiples of 88: $88, 176 \ldots$

d) What is the gcd of 72 and 96? First, find the divisors of each number.
$D_{72} = \{1, 2, \ldots\}$; $D_{96} = \{1, 2, \ldots\}$

e) The lcm of 4 and 25 is? First, find the multiples of both numbers. Multiples of 4: $4, 8 \ldots$; Multiples of 25: $25, 50 \ldots$

f) The lcm of 6 and 72 is? First, find the multiples of both numbers. Multiples of 6: $6, 12 \ldots$; Multiples of 72: $72, 144 \ldots$

g) The lcm of 4 and 23 is? First, find the multiples of both numbers. Multiples of 4: $4, 8 \ldots$; Multiples of 23: $23, 46 \ldots$

h) The lcm of 7 and 98 is? First, find the multiples of both numbers. Multiples of 7: $7, 14 \ldots$; Multiples of 98: $98, 196 \ldots$

i) What is the gcd of 60 and 90? First, find the divisors of each number.
$D_{60} = \{1, 2, \ldots\}$; $D_{90} = \{1, 2, \ldots\}$

j) The lcm of 2 and 40 is? First, find the multiples of both numbers. Multiples of 2: $2, 4 \ldots$; Multiples of 40: $40, 80 \ldots$

Good Luck!