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) The lcm of 3 and 63 is? First, find the multiples of both numbers. Multiples of 3: $3, 6 \ldots$; Multiples of 63: $63, 126 \ldots$

b) What is the gcd of 54 and 72? First, find the divisors of each number.
$D_{54} = \{1, 2, \ldots\}$; $D_{72} = \{1, 2, \ldots\}$

c) The lcm of 4 and 19 is? First, find the multiples of both numbers. Multiples of 4: $4, 8 \ldots$; Multiples of 19: $19, 38 \ldots$

d) The lcm of 4 and 5 is? First, find the multiples of both numbers. Multiples of 4: $4, 8 \ldots$; Multiples of 5: $5, 10 \ldots$

e) The lcm of 2 and 33 is? First, find the multiples of both numbers. Multiples of 2: $2, 4 \ldots$; Multiples of 33: $33, 66 \ldots$

f) What is the gcd of 46 and 69? First, find the divisors of each number.
$D_{46} = \{1, 2, \ldots\}$; $D_{69} = \{1, 3, \ldots\}$

g) The lcm of 6 and 27 is? First, find the multiples of both numbers. Multiples of 6: $6, 12 \ldots$; Multiples of 27: $27, 54 \ldots$

h) The lcm of 3 and 27 is? First, find the multiples of both numbers. Multiples of 3: $3, 6 \ldots$; Multiples of 27: $27, 54 \ldots$

i) The lcm of 3 and 10 is? First, find the multiples of both numbers. Multiples of 3: $3, 6 \ldots$; Multiples of 10: $10, 20 \ldots$

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

<u>2)</u>

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

a) What is the gcd of 46 and 69? First, find the divisors of each number.
$D_{46} = \{1, 2, \ldots\}$; $D_{69} = \{1, 3, \ldots\}$

b) The lcm of 4 and 56 is? First, find the multiples of both numbers. Multiples of 4: $4, 8 \ldots$; Multiples of 56: $56, 112 \ldots$

c) What is the gcd of 42 and 63? First, find the divisors of each number.
$D_{42} = \{1,2,\ldots\}$; $D_{63} = \{1,3,\ldots\}$

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

e) What is the gcd of 60 and 80? First, find the divisors of each number.
$D_{60} = \{1,2,\ldots\}$; $D_{80} = \{1,2,\ldots\}$

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

g) What is the gcd of 64 and 96? First, find the divisors of each number.
$D_{64} = \{1,2,\ldots\}$; $D_{96} = \{1,2,\ldots\}$

h) What is the gcd of 75 and 100? First, find the divisors of each number.
$D_{75} = \{1,3,\ldots\}$; $D_{100} = \{1,2,\ldots\}$

3)

Find the value requested.

a) What is the gcd of 46 and 69? 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 75 and 100? First, find the divisors of each number.

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

e) What is the gcd of 62 and 93? First, find the divisors of each number.

f) What is the gcd of 58 and 87? First, find the divisors of each number.

g) What is the gcd of 52 and 78? First, find the divisors of each number.

h) What is the gcd of 66 and 88? First, find the divisors of each number.

4)

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

a) The lcm of 8 and 21 is? First, find the multiples of both numbers. Multiples of 8: $8, 16 \ldots$; Multiples of 21: $21, 42 \ldots$

b) The lcm of 4 and 35 is? First, find the multiples of both numbers. Multiples of 4: $4, 8 \ldots$; Multiples of 35: $35, 70 \ldots$

c) The lcm of 2 and 116 is? First, find the multiples of both numbers. Multiples of 2: $2, 4 \ldots$; Multiples of 116: $116, 232 \ldots$

d) The lcm of 2 and 116 is? First, find the multiples of both numbers. Multiples of 2: $2, 4 \ldots$; Multiples of 116: $116, 232 \ldots$

e) The lcm of 6 and 23 is? First, find the multiples of both numbers. Multiples of 6: $6, 12 \ldots$; Multiples of 23: $23, 46 \ldots$

f) The lcm of 4 and 11 is? First, find the multiples of both numbers. Multiples of 4: $4, 8 \ldots$; Multiples of 11: $11, 22 \ldots$

g) The lcm of 10 and 36 is? First, find the multiples of both numbers. Multiples of 10: $10, 20 \ldots$; Multiples of 36: $36, 72 \ldots$

h) The lcm of 8 and 22 is? First, find the multiples of both numbers. Multiples of 8: $8, 16 \ldots$; Multiples of 22: $22, 44 \ldots$

Good Luck!