Multiples and Lowest Common Multiple (LCM)

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Name:

Write the first 5 multiples of the following numbers:

a) 4

b) 7

c) 6

d) 8

e) 3

f) 11

g) 20

h) 15

i) 18

j) 25

k) 80

l) 52

Find the lowest common multiple (LCM) of the following set of numbers:

m) 4 & 5

n) 5 & 8

o) 3 & 10

p) 6 & 8

q) 9 & 6

r) 12 & 20

s) 3, 4 & 5

t) 2, 5 & 6

u) 5, 8 & 10

v) 6, 7 & 8

Multiple choice (there may be more than one option in your answer)

w) Circle the numbers listed which are multiples of both 5 **and** 8

| 5 | 8 | 10 | 15 | 20 | 30 | 40 | 50 | 60 | 80 | 90 |

x) Circle the numbers listed which are multiples of both 6 **and** 8

| 1 | 2 | 3 | 6 | 8 | 12 | 16 | 24 | 30 | 48 | 64 |

y) Circle the numbers listed which are multiples of 8, **but not** 12

| 1 | 2 | 4 | 8 | 12 | 16 | 24 | 32 | 48 | 64 | 72 |

z) Circle the numbers listed which are multiples of 3, **but not** 9

| 1 | 3 | 9 | 12 | 15 | 18 | 24 | 27 | 33 | 36 | 42 |

Exam question:

A green light flashes every 8 seconds. A red light flashes every 12 seconds.
They both flash at the same time.
After how many seconds will they next both flash at the same time?