Name_____ Class_____ Date_____

Find the GCF of each pair of numbers.

(1) 21 and 40 _____   (2) 28 and 32 _____

(3) 28 and 70 _____   (4) 45 and 81 _____

(5) 30 and 45 _____   (6) 55 and 77 _____

(7) Mrs. Davis is sewing vests. She has 16 green buttons and 24 yellow
buttons. Each vest will have the same number of yellow buttons and
the same number of green buttons. What is the greatest number of
vests Mrs. Davis can make using all of the buttons?   _____ vests

(8) A baker has 27 wheat bagels and 36 plain bagels that will be divided
into boxes. Each box must have the same number of wheat bagels
and the same number of plain bagels. What is the greatest number of
boxes the baker can make using all of the bagels?   _____ boxes

(9) Lola is putting appetizers on plates. She has 63 meatballs and
84 cheese cubes. She wants both kinds of food on each plate, and
each plate must have the same number of meatballs and the same
number of cheese cubes. What is the greatest number of plates
she can make using all of the appetizers?   _____ plates

(10) The Delta High School marching band has 54 members. The
Swanton High School marching band has 90 members. The bands
are going to march in a parade together. The director wants to
arrange the bands into the same number of rows. What is the greatest
number of rows in which the two bands can be arranged?   _____ rows

Find the LCM of each pair of numbers.

(11) 6 and 9 _____   (12) 9 and 21 _____

(13) 8 and 56 _____   (14) 16 and 24 _____

(15) 12 and 30 _____   (16) 6 and 10 _____

(17) At a restaurant, after every 12th visit you receive a free beverage.
After every 15th visit you receive a free dessert. At which
visit will you first receive a free beverage and a free dessert?   Visit _____

(18) Starting today (day 1) Lee will walk his dog Fido every 3rd day
and his dog Fifi every 5th day. On which day will Lee first walk
both dogs together?   Day _____

Use the train schedule for 19 and 20.

(19) The red line and the blue line trains just
arrived at the station. When will they next
arrive at the station at the same time?
In _____ minutes

(20) All three trains just arrived at the station.
When will they next all arrive at the station
at the same time? In _____ minutes

Train Schedule	
Train	Arrives Every...
Red line	8 minutes
Blue line	10 minutes
Yellow line	12 minutes