LCM (Least Common Multiple)







Section A Circle the numbers that are multiples of both numbers in the first column.

The first one has been done for you.

2 and 5	8	(10)	12	15	25	30	45	60	100
3 and 4	6	8	12	16	21	24	30	36	96
6 and 8	8	12	16	24	40	72	480	600	800

Section B Write the first ten multiples of each number. The first few have been done for you.

4	4	8	12					
5							Į. Į	
9				į				-
12	-							

Use the table above to identify he following:

- a) The LCM of 4 and 5
- b) The LCM of 4, 8 and 12
- c) The LCM of 9 and 12
- d) The LCM of 5, 12 and 15

Section C Use the least common multiple to help you answer each of the word problems.

- 1) Train A stops every 9 minutes. Train B stops every 15 minutes. If they start at the same time, how long is it until they stop at the same time again?
- 2) Cameron collects snails from the garden every three days and shells from the seaside every sixteen days. On Wednesday he spends the day collecting snails and shells. On which day will he next spend collecting both snails and shells?
- 3) Eggs come in packs of 9. Bread comes in packs of 24. Brandy is volunteering at her local church. She wants to make one poached egg for each slice of bread. How many packs of eggs and bread should she buy?

Least Common Multiples 6th Tasks

Michael Hoelscher

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