Finding Common Multiples

List the multiples of each number and use your lists to find the Lowest Common Multiple (LCM - the lowest multiple shared by both numbers)

e.g. 7 and 3

Multiples of 7: 7, 14, (21), 28, 35, 42, 49

Multiples of 3: 3, 6, 9, 12, 15, 18, (21), 24

LCM of 7 and 3 = 21

1. 3 and 4

Multiples of 3:

Multiples of 4:

LCM of 3 and 4 =

2. 3 and 9

Multiples of 3:

Multiples of 9:

LCM of 3 and 9 =

3. 2 and 5

Multiples of 2:

Multiples of 5:

LCM of 2 and 5 =

4. 8 and 4

Multiples of 8:

Multiples of 4:

LCM of 8 and 4 =

5. 6 and 9

Multiples of 6:

Multiples of 9:

LCM of 6 and 9 =

6. 10 and 5

Multiples of 10:

Multiples of 5:

LCM of 10 and 5 =

7. 11 and 6

Multiples of 11:

Multiples of 6:

LCM of 11 and 6 =

8. 7 and 13

Multiples of 7:

Multiples of 13:

LCM of 7 and 13 =

9. 8 and 12

Multiples of 8:

Multiples of 12:

LCM of 8 and 12 =

10. 25 and 40

Multiples of 25:

Multiples of 40:

LCM of 25 and 40 =

Finding Common Multiples: Answers

question	answer
A.	
1	Multiples of 3: **3, 6, 9, 12** Multiples of 4: **4, 8, 12** LCM of 3 and 4 = **12**
2	Multiples of 3: **3, 6, 9, 12, 15, 18, 21, 24, 27** Multiples of 9: **9, 18, 27** LCM of 3 and 9 = **9**
3	Multiples of 2: **2, 4, 6, 8, 10, 12, 14, 16, 18, 20** Multiples of 5: **5, 10, 15, 20, 25** LCM of 2 and 5 = **10**
4	Multiples of 8: **8, 16, 24, 32, 40, 48, 56, 64** Multiples of 4: **4, 8, 12, 16, 20, 24, 28, 32** LCM of 8 and 4 = **8**
5	Multiples of 6: **6, 12, 18, 24, 30, 36, 42, 48, 54** Multiples of 9: **9, 18, 27, 36, 45, 54, 63, 72, 81** LCM of 6 and 9 = **18**
6	Multiples of 10: **10, 20, 30, 40, 50, 60, 70, 80** Multiples of 5: **5, 10, 15, 20, 25, 30, 35, 40** LCM of 10 and 5 = **10**
7	Multiples of 11: **11, 22, 33, 44, 55, 66, 77, 88** Multiples of 6: **6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66** LCM of 11 and 6 = **66**
8	Multiples of 7: **7, 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, 91** Multiples of 13: **13, 26, 39, 52, 65, 78, 91** LCM of 7 and 13 = **91**
9	Multiples of 8: **8, 16, 24, 32, 40, 48** Multiples of 12: **12, 24, 36, 48, 60** LCM of 8 and 12 = **24**
10	Multiples of 25: **25, 50, 75, 100, 125, 150, 175, 200** Multiples of 40: **40, 80, 120, 160, 200** LCM of 25 and 40 = **200**