Name_____

Date_____ Period_____

Find the least common multiple of the given numbers.

least common multiple

1. 5 and 9

2. 5 and 6

3. 4 and 3

4. 4 and 9

5. 7 and 8

6. 6 and 7

7. 7 and 3

8. 5 and 7

9. 6 and 3

10. 3 and 6

11. 8 and 4

12. 6 and 8

Name_____

Date_____ Period_____

Find the least common multiple of the given numbers.

		least common multiple
1.	5 and 9	45
2.	5 and 6	30
3.	4 and 3	12
4.	4 and 9	36
5.	7 and 8	56
6.	6 and 7	42
7.	7 and 3	21
8.	5 and 7	35
9.	6 and 3	6
10.	3 and 6	6
11.	8 and 4	8
12.	6 and 8	24

Least Common Multiple

Solution Steps

1) 5 and 9

List the multiples of 5 and 9

Multiples of 5 are: 5, 10, 15, 20, 25, 30, 35, 40, **45**

Multiples of 9 are: 9, 18, 27, 36, **45**, 54, 63, 72, 81

Find the least common multiple

LCM(5, 9) = 45

2) 5 and 6

List the multiples of 5 and 6

Multiples of 5 are: 5, 10, 15, 20, 25, **30**, 35, 40, 45

Multiples of 6 are: 6, 12, 18, 24, **30**, 36, 42, 48, 54

Find the least common multiple

LCM(5, 6) = 30

3) 4 and 3

List the multiples of 4 and 3

Multiples of 4 are: 4, 8, **12**, 16, 20, **24**, 28, 32, **36**

Multiples of 3 are: 3, 6, 9, **12**, 15, 18, 21, **24**, 27

Find the least common multiple

LCM(4, 3) = 12

4 and 9

List the multiples of 4 and 9

Multiples of 4 are: 4, 8, 12, 16, 20, 24, 28, 32, **36**

Multiples of 9 are: 9, 18, 27, **36**, 45, 54, 63, **72**, 81

Find the least common multiple

LCM(4, 9) = 36

7 and 8

List the multiples of 7 and 8

Multiples of 7 are: 7, 14, 21, 28, 35, 42, 49, **56**, 63

Multiples of 8 are: 8, 16, 24, 32, 40, 48, **56**, 64, 72

Find the least common multiple

LCM(7, 8) = 56

6 and 7

List the multiples of 6 and 7

Multiples of 6 are: 6, 12, 18, 24, 30, 36, **42**, 48, 54

Multiples of 7 are: 7, 14, 21, 28, 35, **42**, 49, 56, 63

Find the least common multiple

LCM(6, 7) = 42

7 and 3

List the multiples of 7 and 3

Multiples of 7 are: 7, 14, **21**, 28, 35, **42**, 49, 56, **63**

Multiples of 3 are: 3, 6, 9, 12, 15, 18, **21**, 24, 27

Find the least common multiple

LCM(7, 3) = 21

5 and 7

List the multiples of 5 and 7

Multiples of 5 are: 5, 10, 15, 20, 25, 30, **35**, 40, 45

Multiples of 7 are: 7, 14, 21, 28, **35**, 42, 49, 56, 63

Find the least common multiple

LCM(5, 7) = 35

9) 6 and 3

List the multiples of 6 and 3

Multiples of 6 are: **6**, **12**, **18**, 24, 30, 36, 42, 48, 54

Multiples of 3 are: 3, **6**, 9, **12**, 15, **18**, 21, 24, 27

Find the least common multiple

LCM(6, 3) = 6

10) 3 and 6

List the multiples of 3 and 6

Multiples of 3 are: 3, **6**, 9, **12**, 15, **18**, 21, 24, 27

Multiples of 6 are: **6**, **12**, **18**, 24, 30, 36, 42, 48, 54

Find the least common multiple

LCM(3, 6) = 6

11) 8 and 4

List the multiples of 8 and 4

Multiples of 8 are: **8**, **16**, **24**, 32, 40, 48, 56, 64, 72

Multiples of 4 are: 4, **8**, 12, **16**, 20, **24**, 28, 32, 36

Find the least common multiple

LCM(8, 4) = 8

6 and 8

List the multiples of 6 and 8

Multiples of 6 are: 6, 12, 18, **24**, 30, 36, 42, **48**, 54

Multiples of 8 are: 8, 16, **24**, 32, 40, **48**, 56, 64, **72**

Find the least common multiple

LCM(6, 8) = 24