Name_____

Date_____ Period_____

Find the least common multiple of the given numbers.

least common multiple

1. 9 and 8

2. 4 and 6

3. 7 and 2

4. 2 and 9

5. 2 and 4

6. 6 and 2

7. 8 and 5

8. 3 and 2

9. 7 and 5

10. 7 and 8

11. 8 and 6

12. 6 and 8

MathVine - Pre-Algebra   Name_____

Least Common Multiple   Date_____ Period_____

Find the least common multiple of the given numbers.

least common multiple
72
12
14
18
4
6
40
6
35
56
24
24

1. 9 and 8

2. 4 and 6

3. 7 and 2

4. 2 and 9

5. 2 and 4

6. 6 and 2

7. 8 and 5

8. 3 and 2

9. 7 and 5

10. 7 and 8

11. 8 and 6

12. 6 and 8

Least Common Multiple

Solution Steps

1) 9 and 8

List the multiples of 9 and 8

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

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

Find the least common multiple

LCM(9, 8) = 72

2) 4 and 6

List the multiples of 4 and 6

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

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

Find the least common multiple

LCM(4, 6) = 12

3) 7 and 2

List the multiples of 7 and 2

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

Multiples of 2 are: 2, 4, 6, 8, 10, 12, **14**, 16, 18

Find the least common multiple

LCM(7, 2) = 14

4) 2 and 9

List the multiples of 2 and 9

Multiples of 2 are: 2, 4, 6, 8, 10, 12, 14, 16, **18**

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

Find the least common multiple

LCM(2, 9) = 18

5) 2 and 4

List the multiples of 2 and 4

Multiples of 2 are: 2, **4**, 6, **8**, 10, **12**, 14, 16, 18

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

Find the least common multiple

LCM(2, 4) = 4

6) 6 and 2

List the multiples of 6 and 2

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

Multiples of 2 are: 2, 4, **6**, 8, 10, **12**, 14, 16, **18**

Find the least common multiple

LCM(6, 2) = 6

7) 8 and 5

List the multiples of 8 and 5

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

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

Find the least common multiple

LCM(8, 5) = 40

3 and 2

List the multiples of 3 and 2

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

Multiples of 2 are: 2, 4, **6**, 8, 10, **12**, 14, 16, **18**

Find the least common multiple

LCM(3, 2) = 6

7 and 5

List the multiples of 7 and 5

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

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

Find the least common multiple

LCM(7, 5) = 35

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

8 and 6

List the multiples of 8 and 6

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

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

Find the least common multiple

LCM(8, 6) = 24

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