

**Find the least common multiple of the given numbers.**

1. 3 and 5

2. 4 and 5

3. 4 and 6

4. 4 and 2

5. 9 and 5

6. 5 and 2

7. 9 and 8

8. 8 and 4

9. 9 and 6

10. 6 and 3

11. 3 and 7

12. 5 and 4

least common multiple

**Find the least common multiple of the given numbers.**

1. 3 and 5

15

2. 4 and 5

20

3. 4 and 6

12

4. 4 and 2

4

5. 9 and 5

45

6. 5 and 2

10

7. 9 and 8

72

8. 8 and 4

8

9. 9 and 6

18

10. 6 and 3

6

11. 3 and 7

21

12. 5 and 4

20

**least common multiple**

**Solution Steps**

<sup>1)</sup> 3 and 5

List the multiples of 3 and 5

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

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

Find the least common multiple

$LCM(3, 5) = 15$

<sup>2)</sup> 4 and 5

List the multiples of 4 and 5

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

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

Find the least common multiple

$LCM(4, 5) = 20$

<sup>3)</sup> 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

$LCM(4, 6) = 12$

<sup>4)</sup> 4 and 2

List the multiples of 4 and 2

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

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

Find the least common multiple

$$\text{LCM}(4, 2) = 4$$

<sup>5)</sup> 9 and 5

List the multiples of 9 and 5

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

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

Find the least common multiple

$$\text{LCM}(9, 5) = 45$$

<sup>6)</sup> 5 and 2

List the multiples of 5 and 2

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

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

Find the least common multiple

$$\text{LCM}(5, 2) = 10$$

<sup>7)</sup> 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

$$\text{LCM}(9, 8) = 72$$

<sup>8)</sup> 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

$$\text{LCM}(8, 4) = 8$$

<sup>9)</sup> 9 and 6

List the multiples of 9 and 6

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

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

Find the least common multiple

$$\text{LCM}(9, 6) = 18$$

<sup>10)</sup> 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

$$\text{LCM}(6, 3) = 6$$

<sup>11)</sup> 3 and 7

List the multiples of 3 and 7

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

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

Find the least common multiple

$$\text{LCM}(3, 7) = 21$$

<sup>12)</sup> 5 and 4

List the multiples of 5 and 4

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

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

Find the least common multiple

$\text{LCM}(5, 4) = 20$