

Lowest Common Multiple (LCM) and Greatest Common Factor (GCF) Worksheet Answer Key

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Find the Least Common Multiple of each pair.

1. 12 and 48
Multiples of 12 are 12, 24, 36, **48**, 60, 72,...
Multiples of 48 are **48**, 96, 144, 172,...
The LCM is **48**.
2. 30 and 25
Multiples of 30 are 30, 60, 90, 120, **150**, 180,...
Multiples of 25 are 25, 50, 75, 100, 125, **150**, 175,...
The LCM is **150**.
3. 8 and 60
Multiples of 8 are 8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96, 104, 112, **120**,...
Multiples of 60 are 60, **120**, 180, 240,...
The LCM is **120**.
4. 16 and 64
Multiples of 16 are 16, 32, 48, 64, **80**,...
Multiples of 64 are **64**, 128,...
The LCM is **64**.
5. 12 and 90
Multiples of 12 are 12, 24, 36, 48, 60, 72, 84, 96, 108, 120, 132, 144, 156, 168, **180**,...
Multiples of 90 are 90, **180**, 270,...
The LCM is **180**.

Find the Greatest Common Factor of each pair.

6. 64 and 24
Factors of 64 are 1, 2, 4, **8**, 16, 32, and 64.
Factors of 24 are 1, 2, 3, 4, 6, **8**, 12, and 24.
The GCF is **8**.

7. 80 and 25

Factors of 80 are 1, 2, 4, **5**, 8, 10, 16, 20, 40, and 80.

Factors of 25 are 1, **5**, and 25.

The GCF is **5**.

8. 75 and 35

Factors of 75 are 1, 3, **5**, 15, 25, and 75.

Factors of 35 are 1, **5**, 7, and 35.

The GCF is **5**.

9. 40 and 120

Factors of 40 are 1, 2, 4, 5, 8, 10, 20, and **40**.

Factors of 120 are 1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 24, 30, **40**, 60, and 120.

The GCF is **40**.

10. 18 and 36

Factors of 18 are 1, 2, 3, 6, 9, and **18**.

Factors of 36 are 1, 2, 3, 4, 6, 9, 12, **18**, and 36.

The GCF is **18**.