

Lowest Common Multiple

Find the lowest common multiple of:

- (a) 4 and 5
- (b) 4 and 6
- (c) 3 and 6
- (d) 3 and 8
- (e) 8 and 12

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- (a) 4 and 5
- (b) 4 and 6
- (c) 3 and 6
- (d) 3 and 8
- (e) 8 and 12

Find the lowest common multiple of:

- (a) 20 and 25
- (b) 20 and 30
- (c) 20 and 24
- (d) 30 and 42
- (e) 36 and 90

Find the lowest common multiple of:

- (a) 20 and 25
- (b) 20 and 30
- (c) 20 and 24
- (d) 30 and 42
- (e) 36 and 90

(a) The train from York arrives at the station every 18 minutes. The train from Leeds arrives every 30 minutes. If both trains are in the station at 10 am, when is the next time they will both be in the station?

(b) Amna helps out at the café every 9 days. Rebecca helps out every 12 days. How often do they see each other at the café?

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(b) Amna helps out at the café every 9 days. Rebecca helps out every 12 days. How often do they see each other at the café?

Find the lowest common multiple of:

- (a) 3, 4 and 5
- (b) 6, 8 and 9
- (c) 12, 15 and 20
- (d) 20, 24 and 50

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Kim says the lowest common multiple of two numbers is found by multiplying the two numbers together. Is this always/sometimes or never true. Explain your answer, giving examples.

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