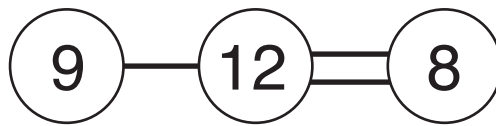


Common Factor Puzzles

Created by Sian Zelbo, 1001mathproblems.com



The bars connecting the pairs of numbers in the diagram above show how many common factors greater than 1 are shared by each pair. Notice, for example, that 12 and 8 are connected by two bars because they share a 2 and a 4. Also, 9 and 8 are not connected because their only common factor is 1 itself.

Challenge

Fill in each puzzle below with distinct numbers from 1 to 20. Remember that if two numbers are not connected, then 1 must be their only common factor.

