



Bow tie number puzzle

Written by Liz Gibbs



The Busy Lizzie Maths Library

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Bow tie number puzzles

I've named these bow tie puzzles, because the arrangement of circles and lines reminds me of a bow or bow tie.

Copy the image onto some paper. Write the numbers you need onto pieces of paper, so that you can move them around (like mini digit cards).

There are two ways to solve these puzzles.

1. Trial and improvement (trying out the numbers in different positions until you solve the puzzle).
2. If you have knowledge of how a magic square works, you will be able to solve these quite quickly.

There are two puzzles to solve.



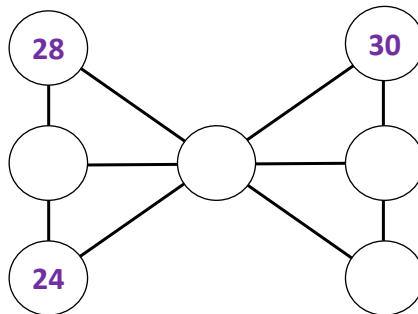
Bow tie number puzzle

These are the numbers you will need to solve this puzzle.

25, 26, 27, 29,

You can only use them once. Make each line total 81.

Some numbers have already been added to the puzzle to help you.



1

81

Bow tie number puzzle

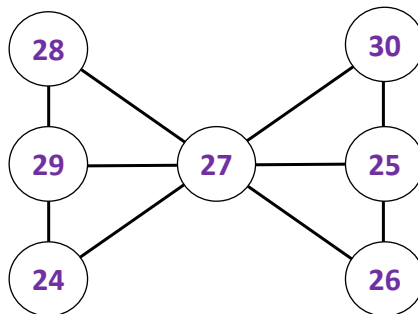
solution

1

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81

Bow tie number puzzle

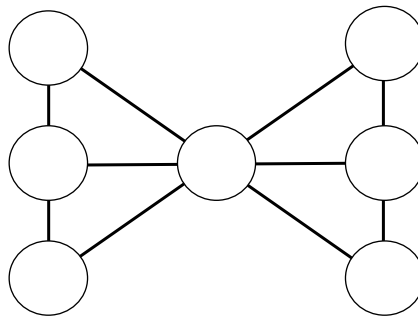
These are the numbers you will need to solve this puzzle.

2.7 2.8 2.9 3 3.1 3.2 3.3

You can only use them once. Make each line total 9.3.



2



Bow tie number puzzle

solution

2

These are the numbers you will need to solve this puzzle.

2.7 2.8 2.9 3 3.1 3.2 3.3

You can only use them once. Make each line total 9.3.

