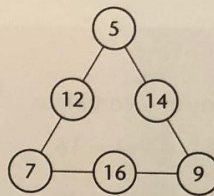


# ARITHMAGONS

**TARGET** To solve number puzzles involving addition and subtraction.

In these triangular arithmagons the pairs of numbers at the end of each side are added together to give the number between them.

*Example*



$$5 + 7 = 12$$

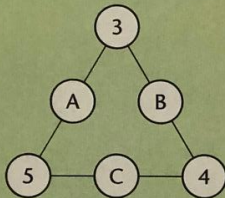
$$7 + 9 = 16$$

$$9 + 5 = 14$$

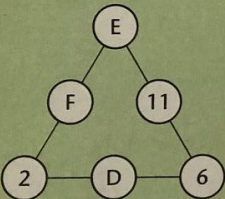
Find the missing numbers in these arithmagons.

**A**

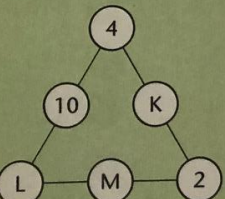
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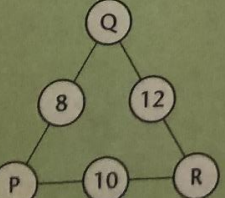
2



3

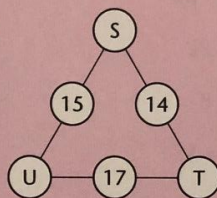


4

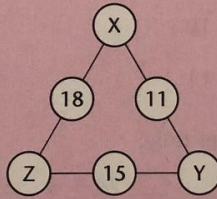


**B**

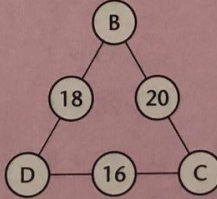
1



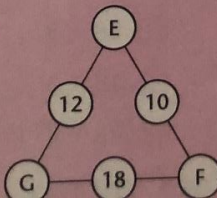
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3

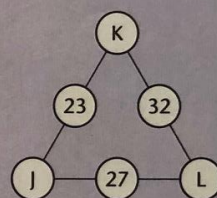


4

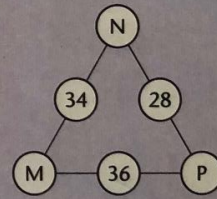


**C**

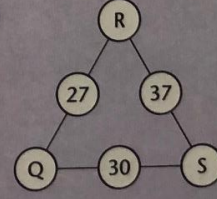
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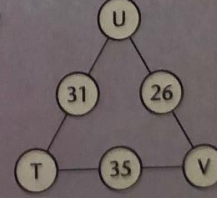
2



3



4



Answers - Arithmagons

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**A**

|              |              |              |              |
|--------------|--------------|--------------|--------------|
| <b>1</b> A 8 | <b>2</b> D 8 | <b>3</b> K 6 | <b>4</b> P 3 |
| B 7          | E 5          | L 6          | Q 5          |
| C 9          | F 7          | M 8          | R 7          |

**B**

|              |              |               |              |
|--------------|--------------|---------------|--------------|
| <b>1</b> S 6 | <b>2</b> X 7 | <b>3</b> B 11 | <b>4</b> E 2 |
| T 8          | Y 4          | C 9           | F 8          |
| U 9          | Z 11         | D 7           | G 10         |

**C**

|              |               |               |               |
|--------------|---------------|---------------|---------------|
| <b>1</b> J 9 | <b>2</b> M 21 | <b>3</b> Q 10 | <b>4</b> T 20 |
| K 14         | N 13          | R 17          | U 11          |
| L 18         | P 15          | S 20          | V 15          |

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**A**