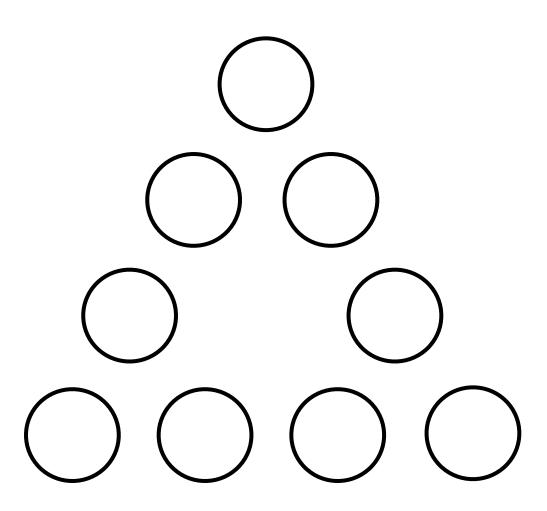
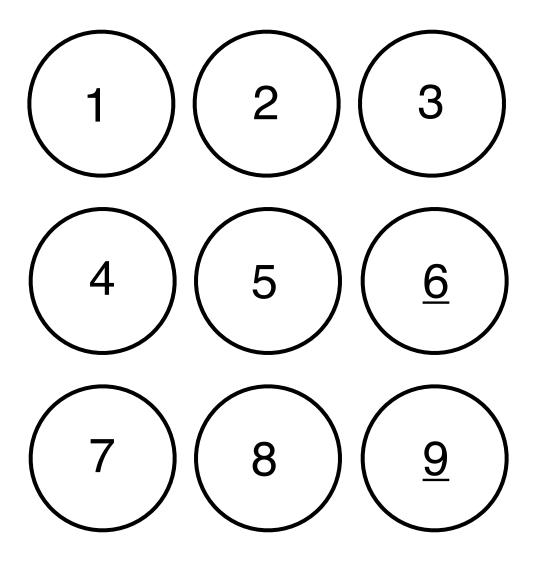


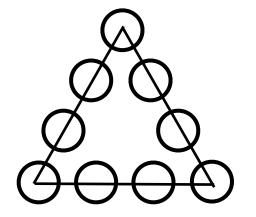
Arrange the numbers 1 to 9

in the triangles so that the numbers in each row of 4 triangles have a **Sum of 17**



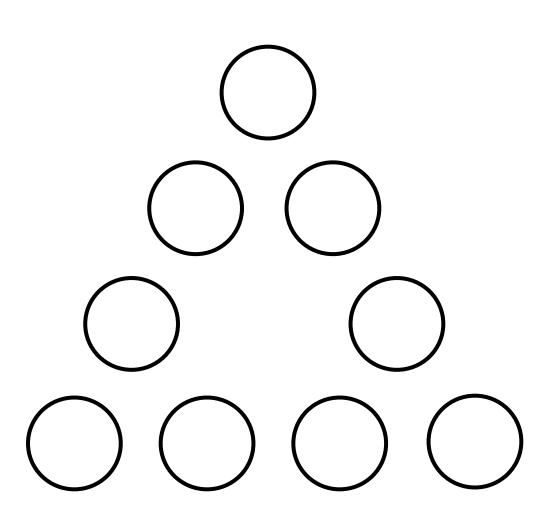
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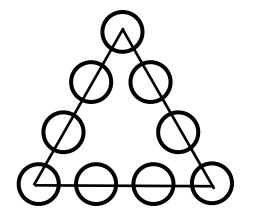




Arrange the numbers 1 to 9 in the triangles so that the numbers in each row of 4 triangles

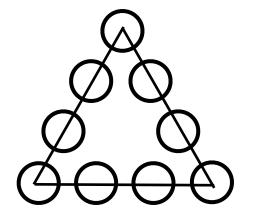
have a Sum of 19





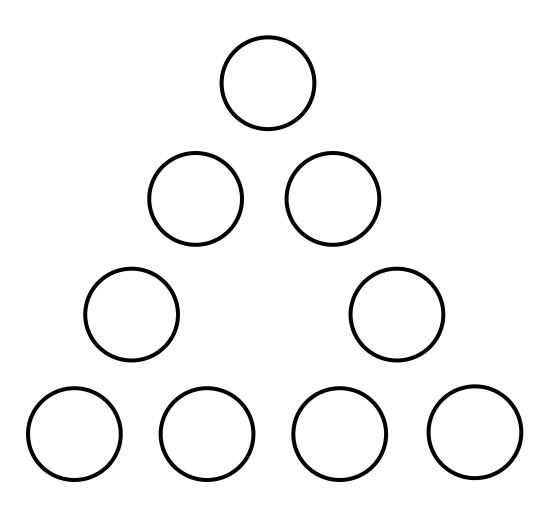
Arrange the numbers 1 to 9 in the triangles

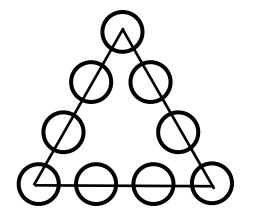
so that the numbers in each row of 4 triangles have a **Sum of 20**



Arrange the numbers 1 to 9 in the triangles

so that the numbers in each row of 4 triangles have a Sum of 21

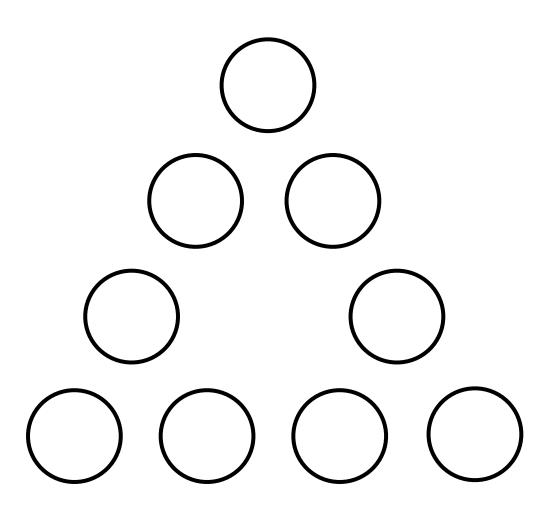




Arrange the numbers 1 to 9 in the triangles so that the numbers

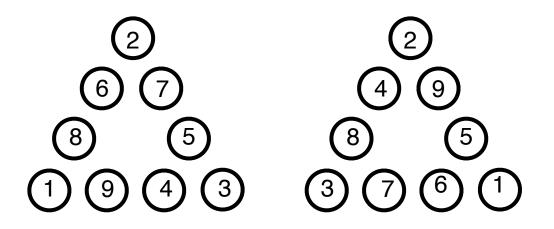
in each row of 4 triangles

have a Sum of 23



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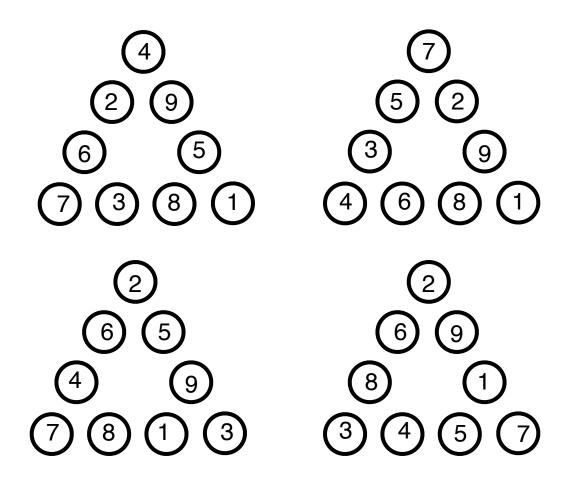
Perimeter Magic Triangles Sum to 17 solutions



Each group of four numbers makes up a side of the triangle. The numbers that are at the ends and bolded go in the vertex. Within a side you can switch the other 2 numbers that aren't on a vertex, but that doesn't produce any new solutions.

 $17 = \mathbf{1} + 5 + 9 + \mathbf{2} = \mathbf{2} + 4 + 8 + \mathbf{3} = \mathbf{3} + 6 + 7 + \mathbf{1}$ $17 = \mathbf{1} + 6 + 8 + \mathbf{2} = \mathbf{2} + 5 + 7 + \mathbf{3} = \mathbf{3} + 4 + 9 + \mathbf{1}$

Perimeter Magic Triangles Sum to 19 solutions

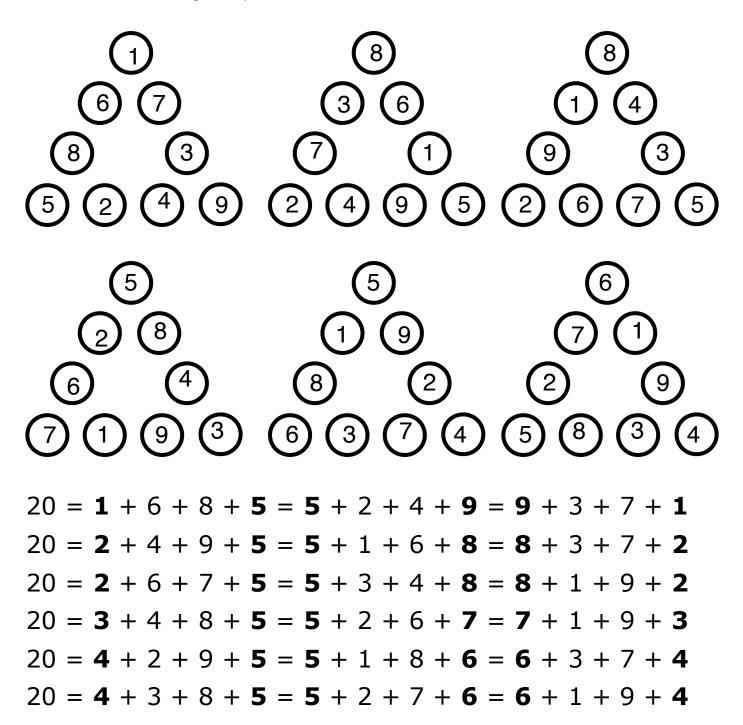


Each group of four numbers makes up a side of the triangle. The numbers that are at the ends and bolded go in the vertex. Within a side you can switch the other 2 numbers that aren't on a vertex, but that doesn't give any new solutions.

 $19 = \mathbf{1} + 5 + 9 + \mathbf{4} = \mathbf{4} + 2 + 6 + \mathbf{7} = \mathbf{7} + 3 + 8 + \mathbf{1}$ $19 = \mathbf{1} + 6 + 8 + \mathbf{4} = \mathbf{4} + 3 + 5 + \mathbf{7} = \mathbf{7} + 2 + 9 + \mathbf{1}$ $19 = \mathbf{2} + 5 + 9 + \mathbf{3} = \mathbf{3} + 1 + 8 + \mathbf{7} = \mathbf{7} + 4 + 6 + \mathbf{2}$ $19 = \mathbf{2} + 6 + 8 + \mathbf{3} = \mathbf{3} + 4 + 5 + \mathbf{7} = \mathbf{7} + 1 + 9 + \mathbf{2}$

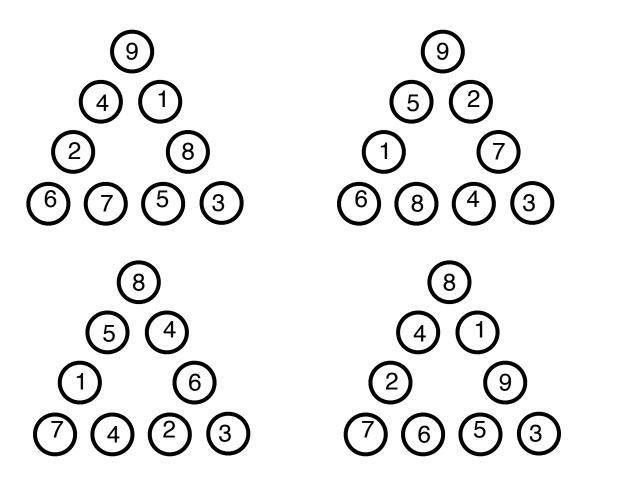
Perimeter Magic Triangles Sum to 20 solutions

Each group of four numbers makes up a side of the triangle. The numbers that are at the ends and bolded go in the vertex. Within a side you can switch the other 2 numbers that aren't on a vertex, but that doesn't give any new solutions.



Perimeter Magic Triangles Sum to 21 solutions

Each group of four numbers makes up a side of the triangle. The numbers that are at the ends and bolded go in the vertex. Within a side you can switch the other 2 numbers that aren't on a vertex, but that doesn't give any new solutions.



2	1 =	3	+	5	+	7	+	6	=	6	+	2	+	4	+	9	=	9	+	1	+	8	+	3
2	1 =	3	+	4	+	8	+	6	=	6	+	1	+	5	+	9	=	9	+	2	+	7	+	3
2	1 =	3	+	2	+	9	+	7	=	7	+	1	+	5	+	8	=	8	+	4	+	6	+	3
2	1 =	3	+	5	+	6	+	7	=	7	+	2	+	4	+	8	=	8	+	1	+	9	+	3

Perimeter Magic Triangles Sum to 23 solutions

Each group of four numbers makes up a side of the triangle. The numbers that are at the ends and bolded go in the vertex. Within a side you can switch the other 2 numbers that aren't on a vertex, but that doesn't give any new solutions.

