

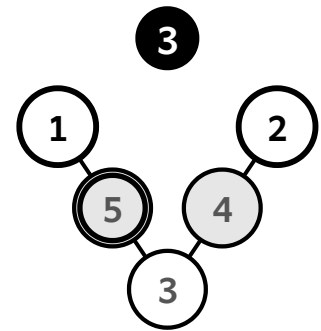
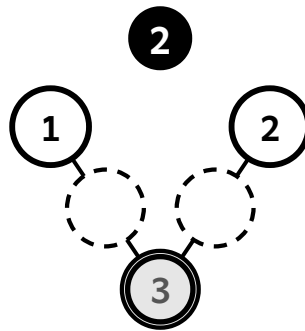
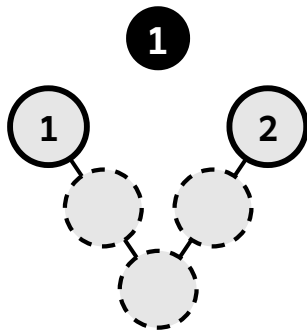


Learn a new puzzle

Magic Squares & Triangles

Write the numbers so both arms add to the total. The bottom circle is on both arms.

Trick: **The bottom counts twice**



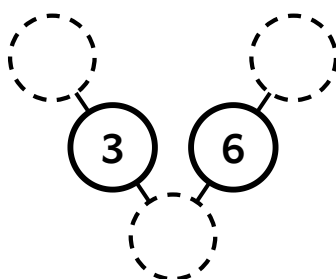
Add all the numbers: $1 + 2 + 3 + 4 + 5 = 15$. Two arms of 9 make 18.

The bottom is counted twice. So it is $18 - 15 = 3$.

Left arm: $9 - 3 - 1 = 5$.
Right arm: $9 - 3 - 2 = 4$.

Try it

Each arm adds to 12.



Use 1, 3, 4, 5, 6.

The answer is with the other answers.

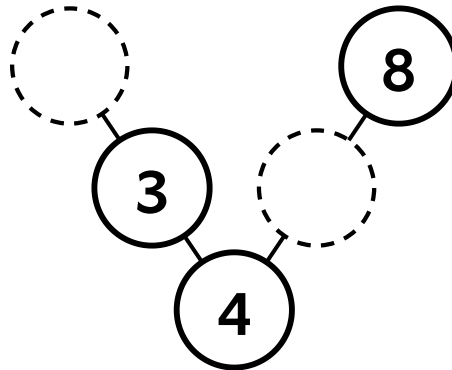
Talk about it: Ask: Why is the bottom number counted twice?



- ① **Magic Squares & Triangles** Write the numbers so both arms add to the total.



Each arm adds to 13.

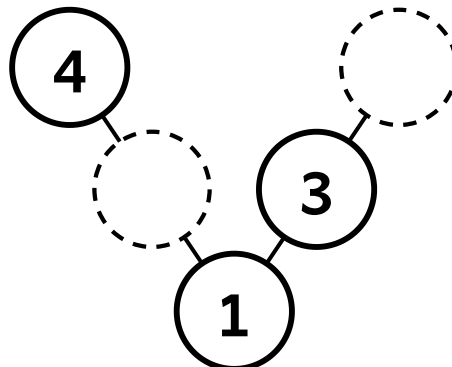


Use 1, 3, 4, 6, 8.

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- ② **Magic Squares & Triangles** Write the numbers so both arms add to the total.



Each arm adds to 11.



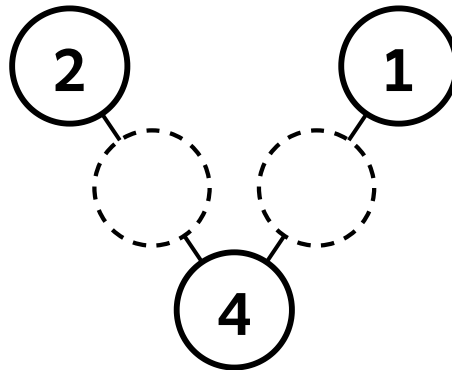
Use 1, 3, 4, 6, 7.



- 3 Magic Squares & Triangles Write the numbers so both arms add to the total.



Each arm adds to 11.

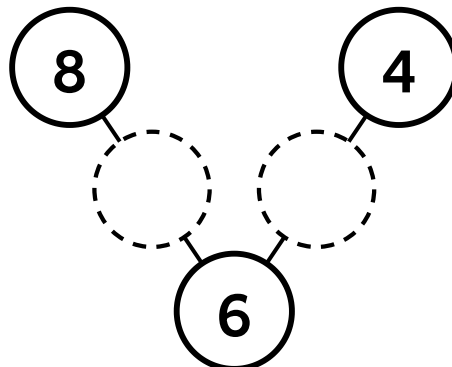


Use 1, 2, 4, 5, 6.

- 4 Magic Squares & Triangles Write the numbers so both arms add to the total.



Each arm adds to 15.

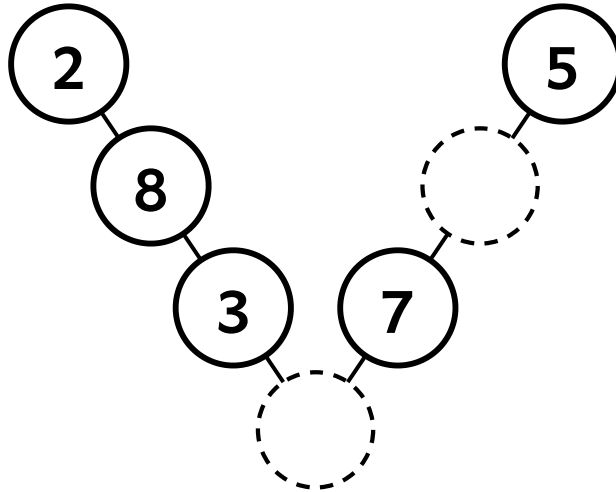


Use 1, 4, 5, 6, 8.



5 Magic Squares & Triangles Write the numbers so both arms add to the total. ☆☆☆

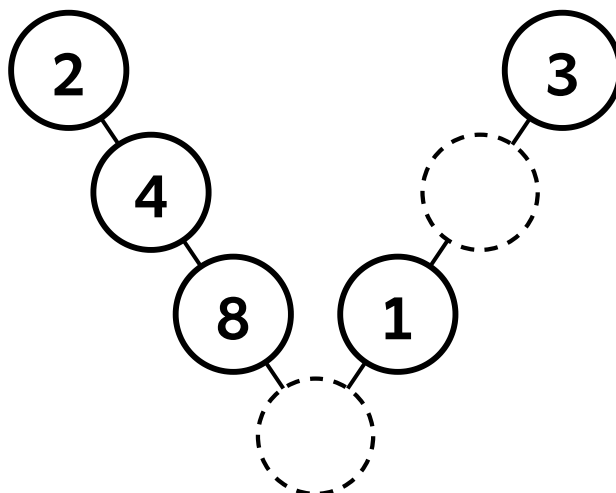
Each arm adds to 23.



Use 1, 2, 3, 5, 7, 8, 10.

6 Magic Squares & Triangles Write the numbers so both arms add to the total. ☆☆☆

Each arm adds to 21.

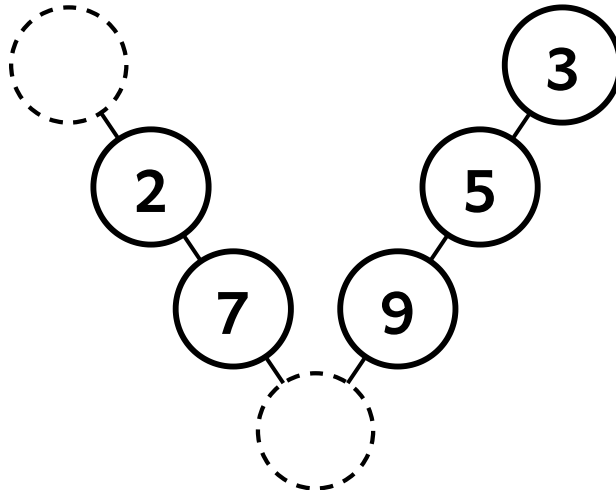


Use 1, 2, 3, 4, 7, 8, 10.



7 Magic Squares & Triangles Write the numbers so both arms add to the total. ☆☆☆

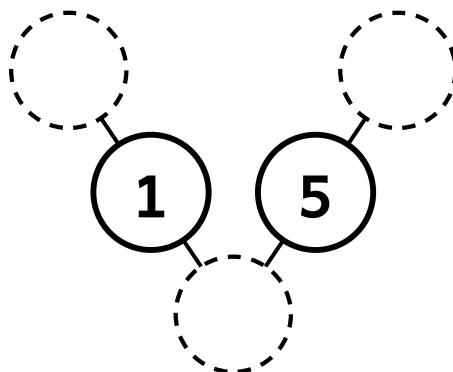
Each arm adds to 18.



Use 1, 2, 3, 5, 7, 8, 9.

8 Magic Squares & Triangles Write the numbers so both arms add to the total. ☆☆☆

Each arm adds to 18.



Use 1, 2, 5, 6, 11.



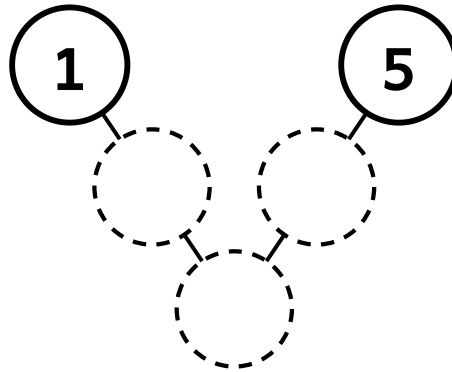
9

Magic Squares & Triangles

Write the numbers so both arms add to the total.



Each arm adds to 24.



Use 1, 5, 8, 11, 12.

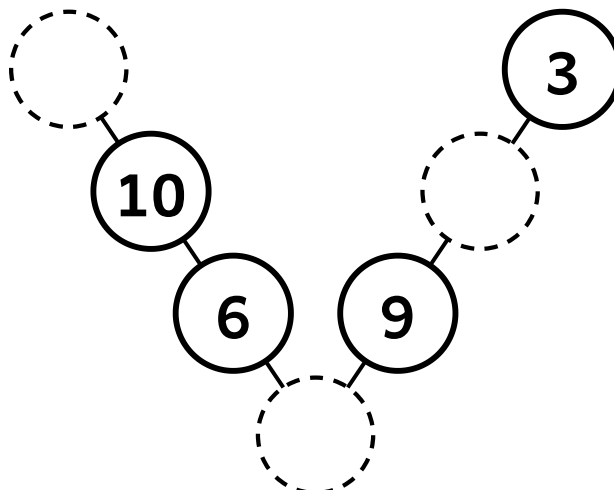
10

Magic Squares & Triangles

Write the numbers so both arms add to the total.



Each arm adds to 21.



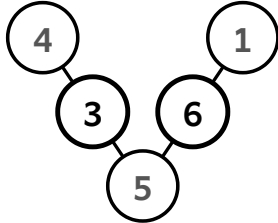
Use 1, 3, 4, 6, 8, 9, 10.



Answers For grown-ups. Cut off or keep this page aside until the puzzles are done.

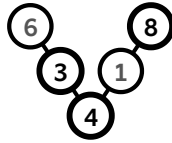
Learn · Magic Squares & Triangles

Each arm adds to 12.



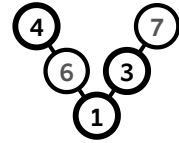
Use 1, 3, 4, 5, 6.

#1



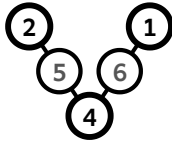
Left arm: $13 - 3 - 4 = 6$. Right arm: $13 - 8 - 4 = 1$.

#2



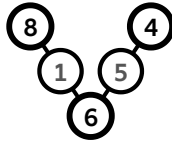
Left arm: $11 - 4 - 1 = 6$. Right arm: $11 - 3 - 1 = 7$.

#3



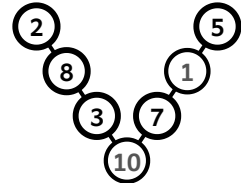
Left arm: $11 - 2 - 4 = 5$. Right arm: $11 - 1 - 4 = 6$.

#4



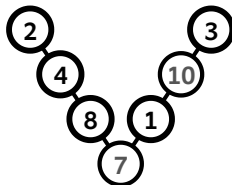
Left arm: $15 - 8 - 6 = 1$. Right arm: $15 - 4 - 6 = 5$.

#5



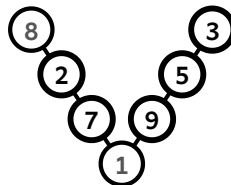
Left arm: $23 - 3 - 8 - 2 = 10$. Right arm: $23 - 7 - 5 - 10 = 1$.

#6



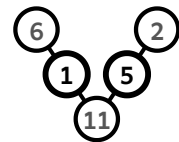
Left arm: $21 - 8 - 4 - 2 = 7$. Right arm: $21 - 1 - 3 - 7 = 10$.

#7



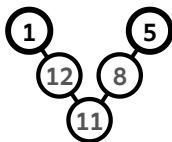
Right arm: $18 - 9 - 5 - 3 = 1$. Left arm: $18 - 7 - 2 - 1 = 8$.

#8



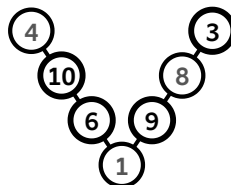
Both arms make $2 \times 18 = 36$; all the numbers make 25. The bottom counts twice, so it is $36 - 25 = 11$.

#9



Both arms make $2 \times 24 = 48$; all the numbers make 37. The bottom counts twice, so it is $48 - 37 = 11$.

#10



Both arms make $2 \times 21 = 42$; all the numbers make 41. The bottom counts twice, so it is $42 - 41 = 1$.