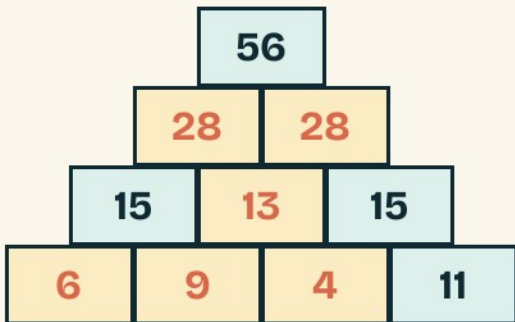


# Equation Pyramids

Free sampler • 6 puzzles • answers on the last page

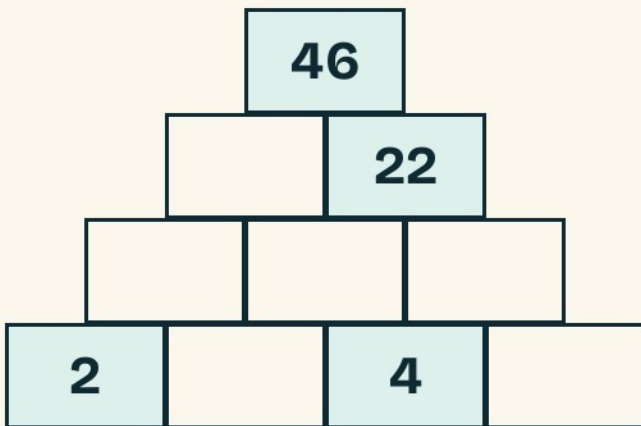
Each brick is the sum of the two bricks under it. Only a few bricks are printed, so plain adding and taking away runs out. Every bottom brick is a whole number from 1 to 12. Call one brick  $x$ , write the others in terms of  $x$ , and solve.



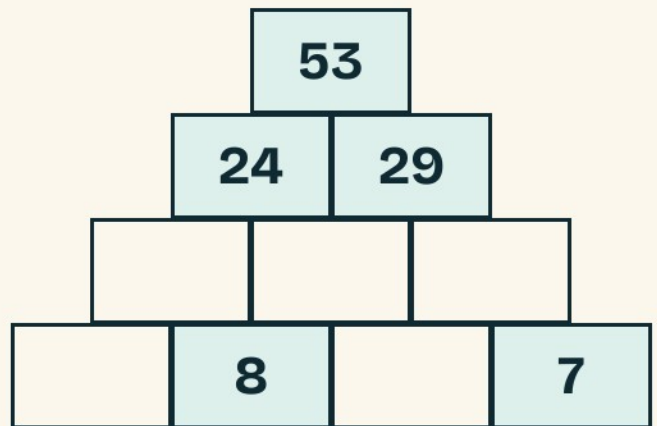
Worked example. The base brick 11 and the row-2 brick 15 above it:  $15 - 11 = 4$ . That is as far as plain arithmetic goes: every other brick depends on two unknowns. Call the second base brick  $x$ . Then the brick above it and the 4 is  $x + 4$ , and the first base brick is  $15 - x$ .

Hint: start from a brick whose two lower bricks are both unknown, call one of them  $x$ .

1



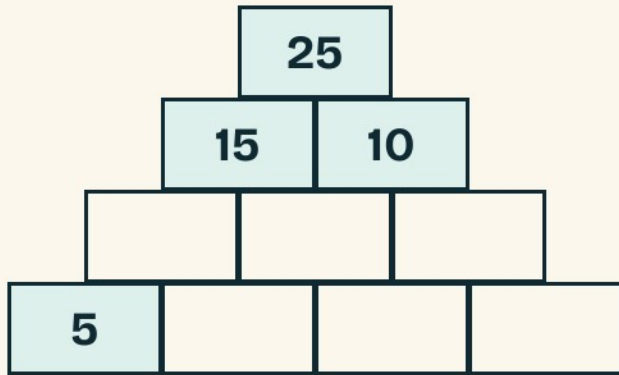
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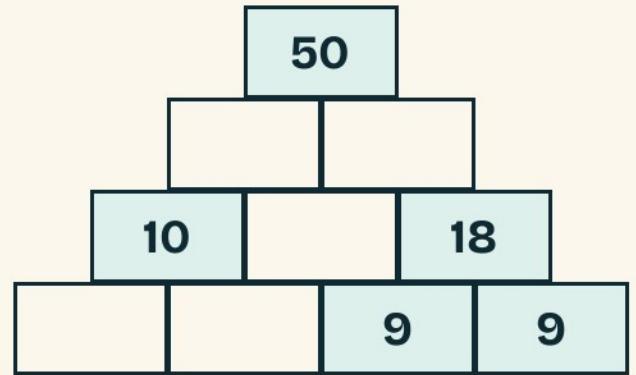
# Equation Pyramids

## Puzzles 3 to 6

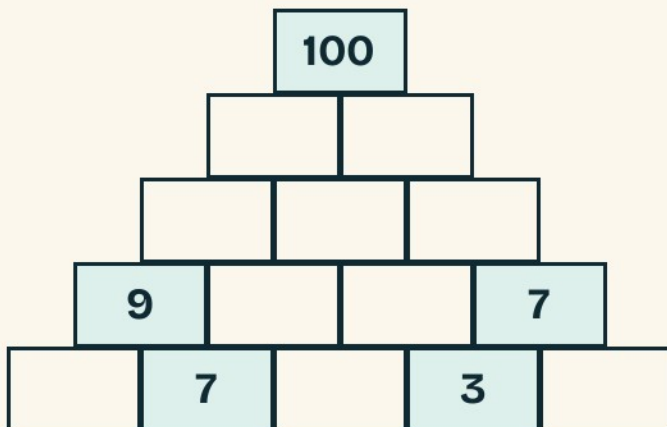
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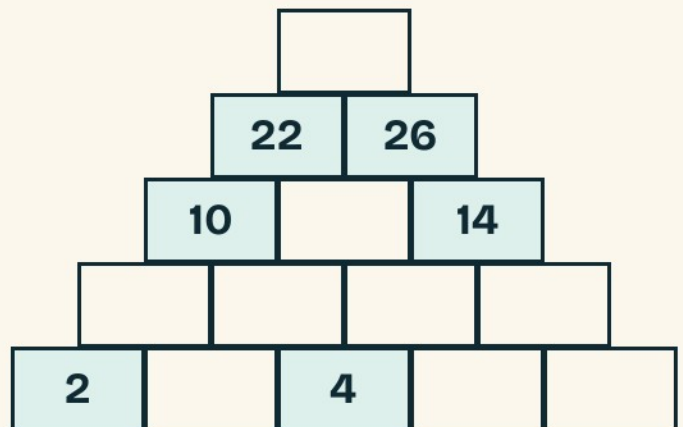
4



5



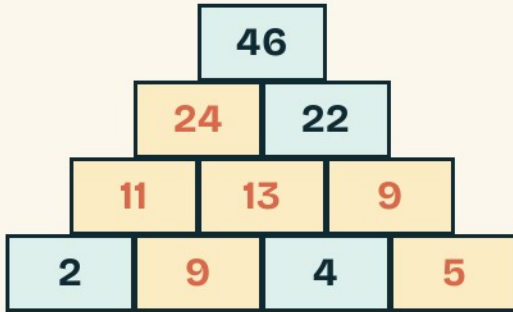
6



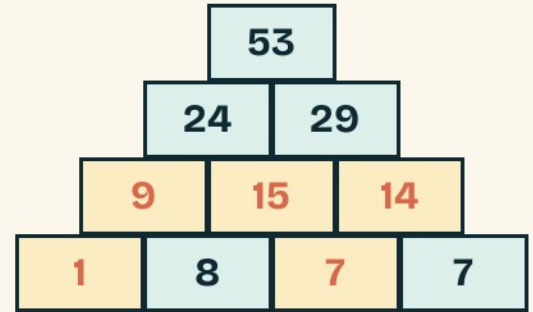
# Answers

## Equation Pyramids

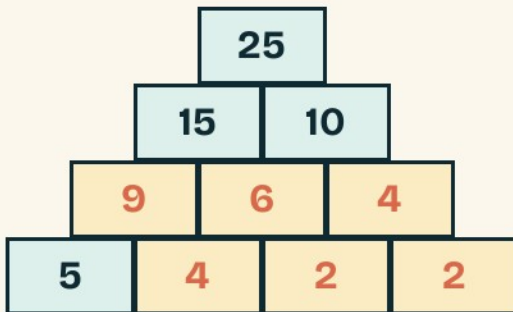
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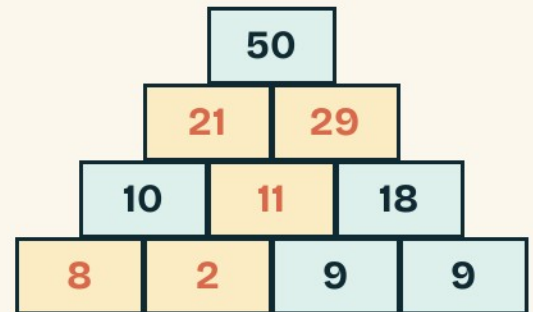
2



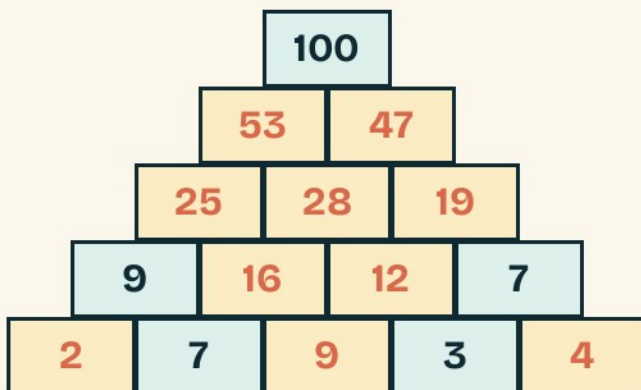
3



4



5



6

