Mathematics

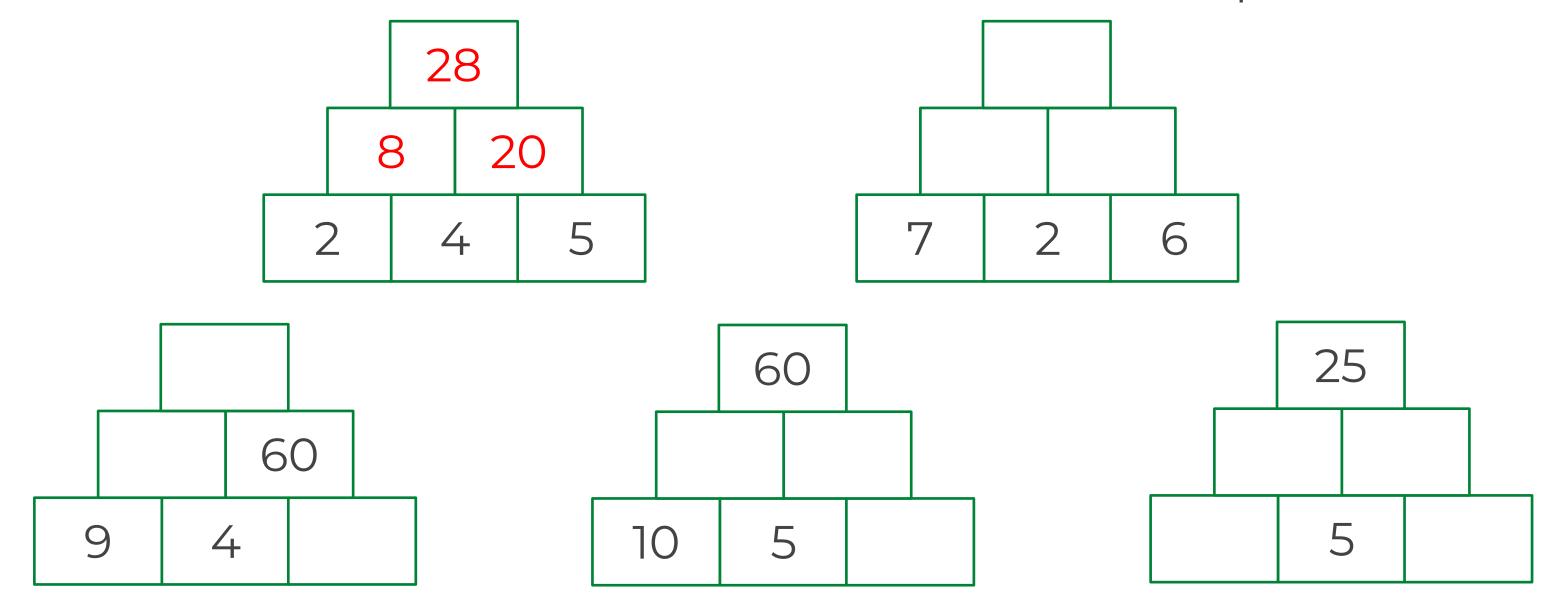
Number Pyramids Worksheet

Mr Coward



Try this

The numbers on the bottom row are **multiplied** to fill the middle row. The numbers in the middle row are **added** to fill the top brick.

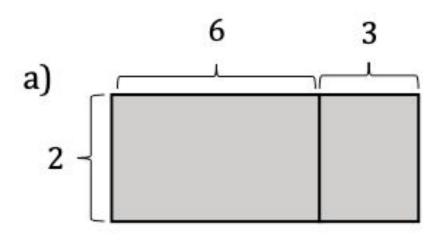


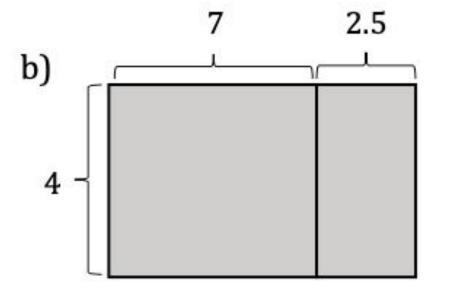
Copy and complete the pyramids. How many solutions can you find for the final pyramid?

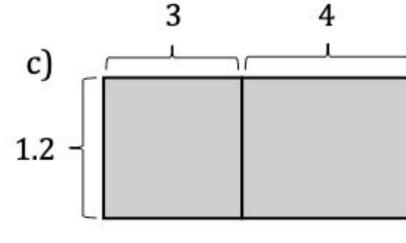


Independent task

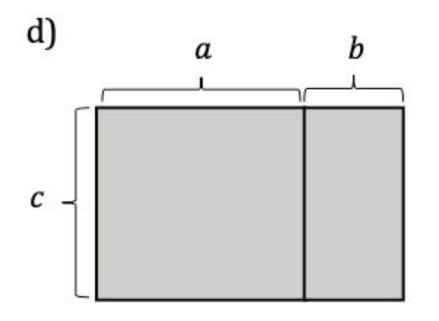
1) For each diagram write out two equivalent expressions.

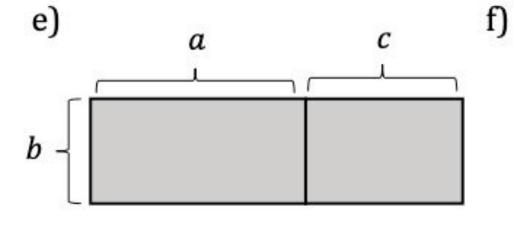


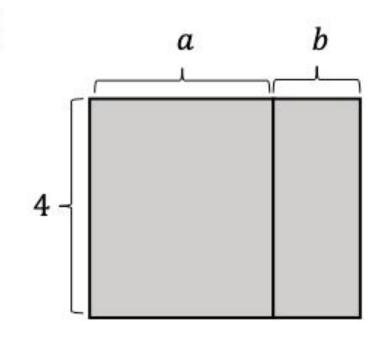




$$2\times(6+3)=2\times6+2\times3$$







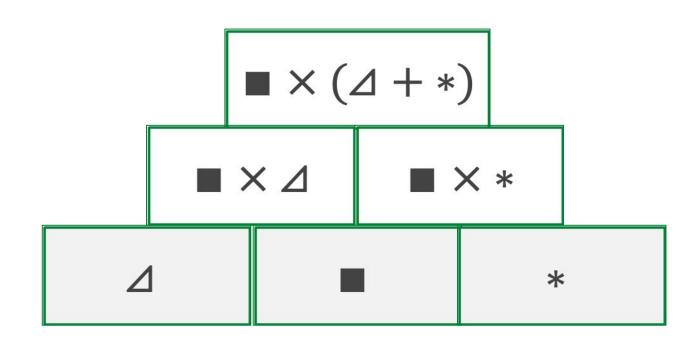


Explore

We can see that Yasmin's conjecture will always be true.

0

The top brick will be a multiple of the middle brick on the bottom row.



What other conjectures and generalisations can you come up with?

The top brick will be even if...

The top brick will be greatest if...

The top brick will be a square number if...

