

35 PASCAL'S TRIANGLE

Row	Pascal's triangle	Sum of Row
0	1	1
1	1 1	2
2	1 2 1	4
3	1 3 3 1	8
4	1 4 6 4 1	16

a Copy these rows of Pascal's triangle. Find the pattern and continue Pascal's triangle up to at least row 15.

b What pattern do the second numbers in each row give?

c What pattern do the third numbers in each row give?

d What is the sum of the second and third numbers in each row?

e What pattern do the sums of rows give?

f Which rows contain only odd numbers?

g What else do you notice about Pascal's triangle?

If you write down more rows you can investigate patterns of multiples.



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