

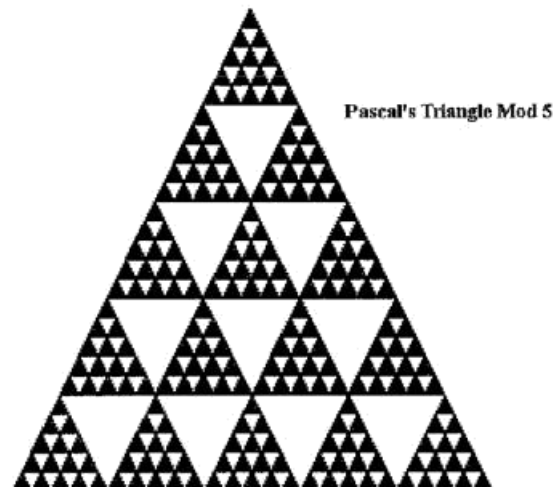
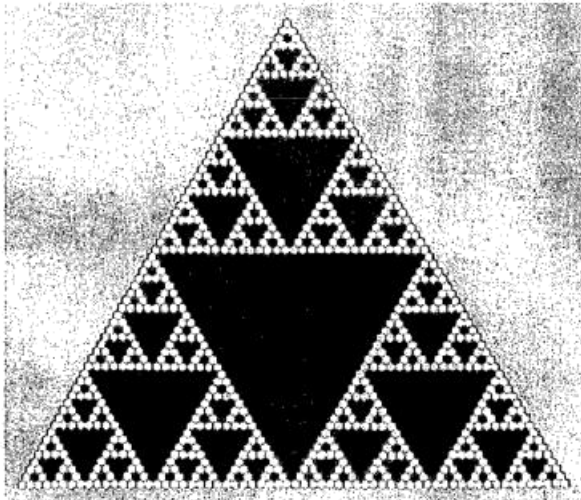


The mathematical secrets of Pascal's triangle

Listen to the video and then answer the following questions with the help of the vocabulary in the table.

<http://ed.ted.com/lessons/the-mathematical-secrets-of-pascal-s-triangle-wajdi-mohamed-ratemi#watch>

1. In which countries was this triangle known?
2. The sum of the elements in row $n = 3$ is the square of
3. How many teams of two persons can you make from a group of six people?
4. How much is 11^5 ?



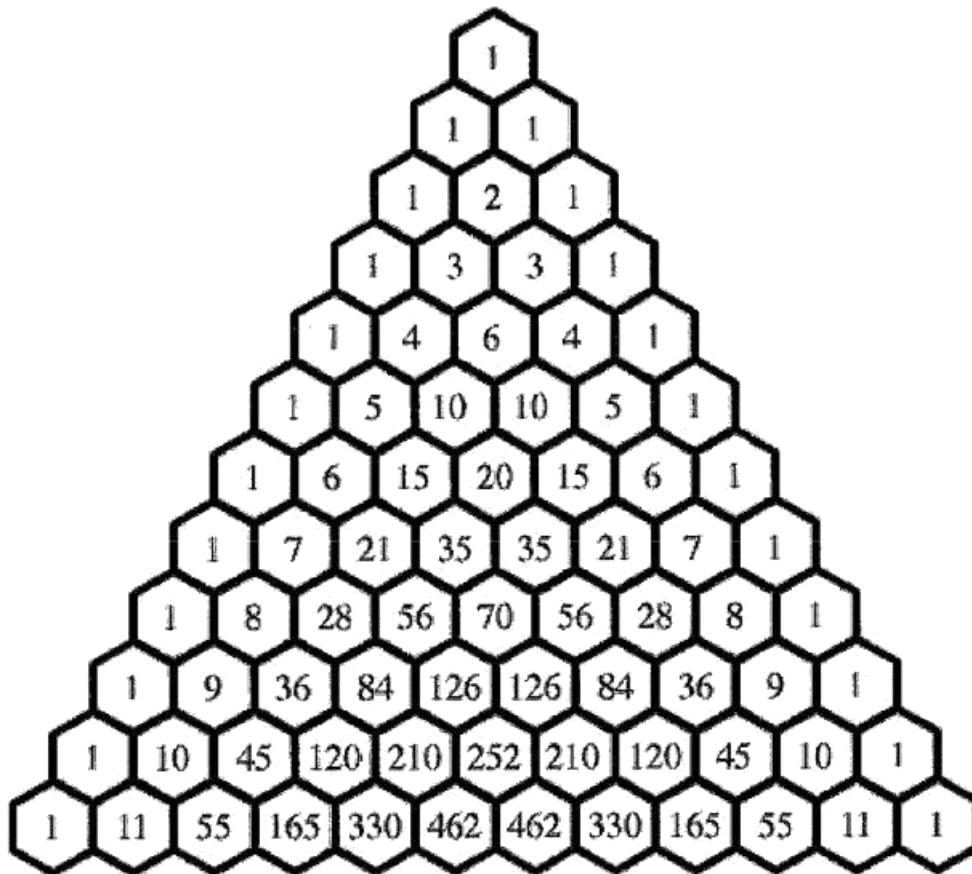
Vocabulary:

pattern	Vzor
row	Řada
binomical expansions	Binomický rozvoj
add up	Součet
successive	Následující
decimal expansion	Dekadický rozvoj
integers	Celá čísla
positive integers	Přirozená čísla



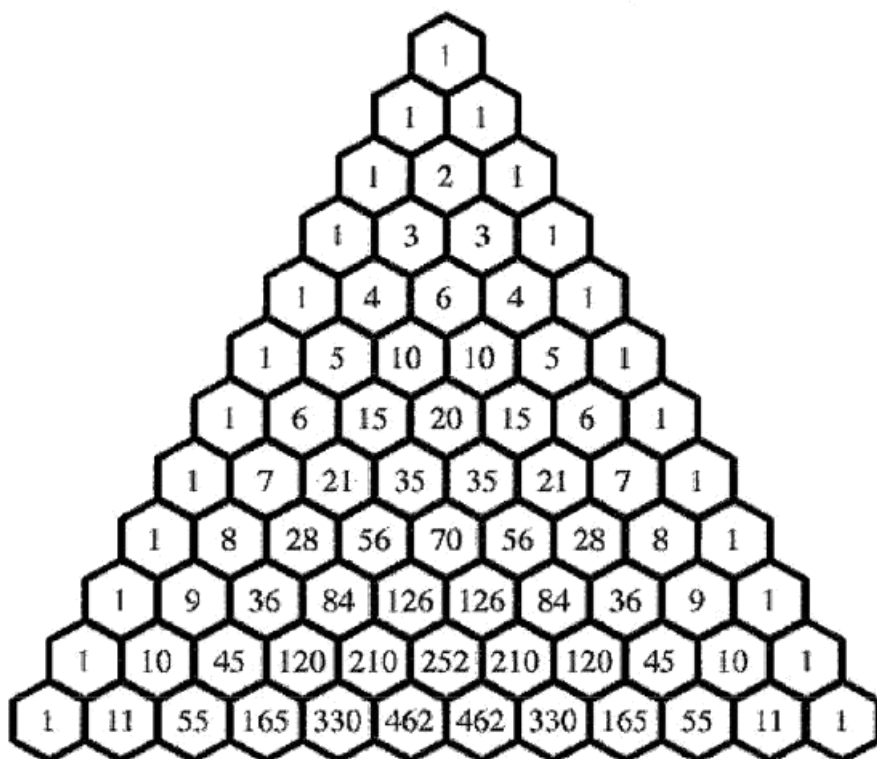
Do the following tasks:

1. Colour the even numbers in this Pascal triangle.

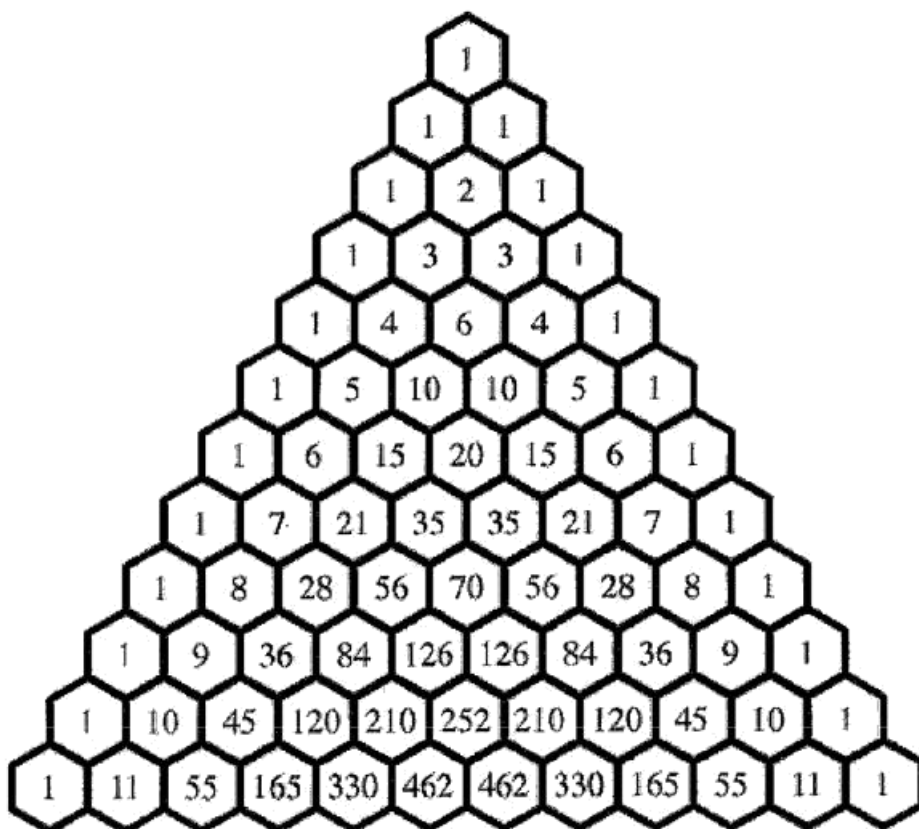




2. Colour the odd numbers in this Pascal triangle.



3. Colour the numbers that can be divided by three in this Pascal triangle.





4. Colour the numbers that can be divided by 5 in this Pascal triangle.

