

Worksheet: Pascal's Triangle

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- What is the first term in each row of Pascal's triangle?
 - 0
 - 1
 - 2
 - equal to the row number
- What is the second term in each row of Pascal's triangle?
 - 0
 - 1
 - 2
 - equal to the row number
- The entries in row 3 of Pascal's triangle are
 - 1 2 1
 - 1 2 2 1
 - 1 3 3 1
 - 1 2 3 1
- What is the value of the term $t_{4,2}$ in Pascal's triangle?
 - 3
 - 4
 - 6
 - 10
- What is the value of the term $t_{6,2}$ in Pascal's triangle?
 - 6
 - 10
 - 15
 - 20
- In Pascal's triangle, the term $t_{n,r}$ is equal to the sum of $t_{n-1,r-1}$ and
 - $t_{n,r-1}$
 - $t_{n-1,r}$
 - $t_{n,r+1}$
 - $t_{n+1,r}$
- How many paths spell *STATISTICS*?

				S			
			T	A	T	A	
	T	A	T	I	T	I	T
		I	S	T	S		
		C	I	C	I		
			S		S	C	

- 30
- 60
- 120
- 240