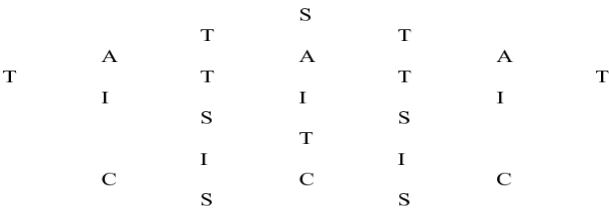


Worksheet: Pascal's Triangle

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



- 30
- 60
- 120
- 240