Worksheet: Pascal's Triangle

a. 30 b. 60

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

What is the first term in each ra. 0 b. 1	ow of Pascal's t	c.	gle? 2 equal to the row number
What is the second term in eac a. 0 b. 1	h row of Pascal	C.	angle? 2 equal to the row number
The entries in row 3 of Pascal' a. 1 2 1 b. 1 2 2 1	s triangle are		1 3 3 1 1 2 3 1
What is the value of the term t_0 a. 3 b. 4	_{4,2} in Pascal's tri	angle c. d.	e? 6 10
What is the value of the term t_0 a. 6 b. 10	_{6,2} in Pascal's tri	angle c. d.	e? 15 20
In Pascal's triangle, the term t_n a. $t_{n,r-1}$ b. $t_{n-1,r}$,, is equal to the	C.	of $t_{n-1,r-1}$ and $t_{n,r+1}$ $t_{n+1,r}$
How many paths spell STATIS	TICS?		
Т	T A T I S I C		S T A T I C S C
	a. 0 b. 1 What is the second term in each a. 0 b. 1 The entries in row 3 of Pascal' a. 1 2 1 b. 1 2 2 1 What is the value of the term t_0 a. 3 b. 4 What is the value of the term t_0 a. 6 b. 10 In Pascal's triangle, the term t_0 a. $t_{n,r-1}$ b. $t_{n-1,r}$ How many paths spell <i>STATIS</i>	a. 0 b. 1 What is the second term in each row of Pascal a. 0 b. 1 The entries in row 3 of Pascal's triangle are a. 1 2 1 b. 1 2 2 1 What is the value of the term $t_{4,2}$ in Pascal's tria. 3 b. 4 What is the value of the term $t_{6,2}$ in Pascal's tria. 6 b. 10 In Pascal's triangle, the term $t_{n,r}$ is equal to the a. $t_{n,r-1}$ b. $t_{n-1,r}$ How many paths spell $STATISTICS$?	b. 1 d. What is the second term in each row of Pascal's triangle are a. 0 d. C. b. 1 d. The entries in row 3 of Pascal's triangle are a. $1\ 2\ 1$ d. C. What is the value of the term $t_{4,2}$ in Pascal's triangle a. 3 d. C. b. 4 d. C. What is the value of the term $t_{6,2}$ in Pascal's triangle a. 6 d. C. d. In Pascal's triangle, the term $t_{n,r}$ is equal to the sum a. $t_{n,r-1}$ d. How many paths spell $STATISTICS$?

c. 120d. 240