




UNIT 6 GOALS:

- Identify odd and even numbers.
- Partition a rectangle into rows and columns of same-size squares.
- Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns.
- Explain why addition and subtraction strategies work.
- Draw a picture graph and a bar graph to represent a data set with up to four categories.

Odd and Even Numbers

Even		Odd	
Numbers ending in		Numbers ending in	
0	2	1	3
6	8	5	9

12 is even because the eggs look like this. 

2 rows of 6 is the same as $6+6$ so 12 is even.

Words to know:

Columns - go up and down from top to bottom; vertical.

Partition - divide into parts.

Rows - go across from left to right, horizontal.

Arrays - the arrangement of objects in equal size rows.

Even number - a whole number that is divisible by 2. Even numbers have 0, 2, 4, 6, or 8 in the ones place.

Odd numbers - a whole number that is not divisible by 2. All odd numbers have 1, 3, 5, 7, or 9 in the ones place.



Arrays

An array is made of horizontal rows and vertical columns. It can be written in a repeated addition form.

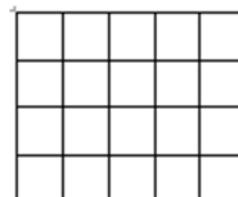
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$$3+3+3+3=12$$

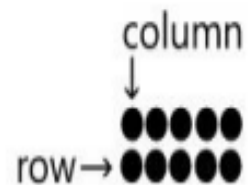
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$$4+4+4=12$$

Rows & Columns



$$5+5+5+5=20$$



Partition the rectangle into 4 rows and 5 columns.

winner

Directions:

- Find a die, game pieces, and a friend to play.
- Choose to be Even Steven or Odd Todd.
- Take turns rolling the die.
- If the number rolled is even, Even Steven gets to move.
- If the number rolled is odd, Odd Todd gets to move.
- The winner is the first one to get to the top!



EVEN STEVEN



ODD TODD