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Table Talk

In this table, the numbers on the top (gray numbers) and the numbers on the side (black numbers) can tell you what number goes in each square.

	1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9	10
2	3	4	5	6	7	8	9		
3	4	5	6	7	8				
4	5	6	7	8	9				
5	6								
6									
7									
8									
9									18

1. Look carefully at the numbers that are already in the table and figure out a rule for filling out the table. Fill out the rest of the table using this rule.

2. a. What number goes in the square that has top number **7** and side number **8**?

b. If the table kept going, what number would be in the square with top number **30** and side number **20**?

c. How can you find the number that goes in any square if you know the square's top number and side number?

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3. If you know the number in a square, can you figure out the square's top number and side number? Tell why or why not.

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4. a. A square contains the number *12*. Its side number is **7**. What is its top number?

b. Again imagine that the table keeps going. A square contains the number *45*. Its side number is **13**. What is its top number?

c. If you know the number in a square and you know the square's side number, tell how to find the square's top number.

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_____

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d. If you know the number in a square and you know the square's top number, tell how to find the square's side number.

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_____

5. If a square's side number and top number are the same, what is special about the number in the square?

_____

_____

6. Here is another copy of the table. Color in every square that should have an even number. **Do not** color the squares that should have odd numbers.

	1	2	3	4	5	6	7	8	9
1									
2									
3									
4									
5									
6									
7									
8									
9									