

# MY Homework

## Lesson 2

### Patterns in the Addition Table

## Homework Helper



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Eddie colored the top row of an addition table blue. What is the pattern?

The sum of any number and zero is the number. This shows the Identity Property of Addition.

Using **green**, Eddie started at 2 and colored a downward diagonal pattern. What is the pattern?

Adding 2 to an even number shows a pattern of even numbers.

Using **purple**, Eddie started at 5 and colored a downward diagonal. What is the pattern?

Adding 2 to an odd number shows a pattern of odd numbers.

+	0	1	2	3	4	5	6	7	8	9	10
0	0	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10	11
2	2	3	4	5	6	7	8	9	10	11	12
3	3	4	5	6	7	8	9	10	11	12	13
4	4	5	6	7	8	9	10	11	12	13	14
5	5	6	7	8	9	10	11	12	13	14	15
6	6	7	8	9	10	11	12	13	14	15	16
7	7	8	9	10	11	12	13	14	15	16	17
8	8	9	10	11	12	13	14	15	16	17	18
9	9	10	11	12	13	14	15	16	17	18	19
10	10	11	12	13	14	15	16	17	18	19	20

## Practice

Use the addition table above.

1. Shade a diagonal of odd numbers **red**.
2. Shade a diagonal of even numbers **yellow**.

## Use the addition table.

3. Circle two squares that each represent a sum of 3 and 4. This shows the Commutative Property of Addition.

$3 + 4 = \underline{\quad}$  and  $4 + 3 = \underline{\quad}$

4. Circle the two addends which make a sum of the shaded 12. Write the number sentence.

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5. Shade a diagonal of numbers **green** that show the sums equal to 9.

6. Shade a row of numbers **yellow** that represents sums with one addend of 10.

+	0	1	2	3	4	5	6	7	8	9	10
0	0	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10	11
2	2	3	4	5	6	7	8	9	10	11	12
3	3	4	5	6	7	8	9	10	11	12	13
4	4	5	6	7	8	9	10	11	12	13	14
5	5	6	7	8	9	10	11	12	13	14	15
6	6	7	8	9	10	11	12	13	14	15	16
7	7	8	9	10	11	12	13	14	15	16	17
8	8	9	10	11	12	13	14	15	16	17	18
9	9	10	11	12	13	14	15	16	17	18	19
10	10	11	12	13	14	15	16	17	18	19	20



## Problem Solving

7. **Mathematical PRACTICE**  **Justify Conclusions** Jasmine had 11 friends over at her house. Every time the doorbell rang, 2 more friends arrived. The doorbell rang 3 times. How many friends did Jasmine have over altogether?

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8. Steve colors the following sums on an addition table. If he continues the pattern, will the numbers continue to be even? Explain.

**12, 14, 16, 18**

\_\_\_\_\_

\_\_\_\_\_

## Test Practice

9. Danielle is saving for a bicycle. Her last 4 bank deposits are shown in the table. If the pattern continues, how much will her next bank deposit be?

- (A) \$2      (B) \$16      (C) \$17      (D) \$19

Bank Deposits
\$9
\$11
\$13
\$15
?