# MY Homework

## 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   1, 2. See students' work.

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.

   $3 + 4 =$ __7__ and $4 + 3 =$ __7__

| + | 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 |

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

   **Sample answer: $8 + 4 = 12$**

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.

## Real World Problem Solving

7. **Mathematical PRACTICE 3** **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?
   **17 friends**

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**

   **Yes; Sample answer: When you add an even number to an even number, the result will be an even number.**

## 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?

| Bank Deposits |
|---------------|
| $9 |
| $11 |
| $13 |
| $15 |
| ? |

   Ⓐ $2     Ⓑ $16     **Ⓒ $17**     Ⓓ $19

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