Adding Adders

Addition Array

+	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	10	11
3	4	5	6	7	8	9	10	11	12
4	5	6	7	8	9	10	11	12	13
5	6	7	8	9	10	11	12	13	14
6	7	8	9	10	11	12	13	14	15
7	8	9	10	11	12	13	14	15	16
8	9	10	11	12	13	14	15	16	17
9	10	11	12	13	14	15	16	17	18

The arrows on the array show this family of facts:

$$5 + 3 = 8$$

$$3 + 5 = 8$$

$$8 - 5 = 3$$

$$8 - 3 = 5$$

Activity One

Using the addition array above, copy the following equations into your book. Fill in the missing numbers and make the family of facts for each equation.
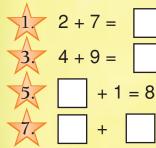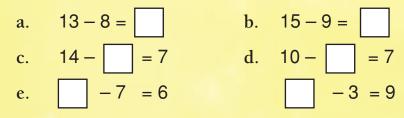
1. $2 + 7 = \boxed{}$
2. $8 + \boxed{} = 13$
3. $4 + 9 = \boxed{}$
4. $5 + \boxed{} = 10$
5. $\boxed{} + 1 = 8$
6. $\boxed{} + 3 = 7$
7. $\boxed{} + \boxed{} = 2$
8. $\boxed{} + \boxed{} = 18$

Activity Two

1. Use the array to find the answers to:

   a. $13 - 8 = \boxed{}$
   b. $15 - 9 = \boxed{}$
   c. $14 - \boxed{} = 7$
   d. $10 - \boxed{} = 7$
   e. $\boxed{} - 7 = 6$
   $\boxed{} - 3 = 9$

2. Show a classmate how you used the array.