Reasoning from Known Facts
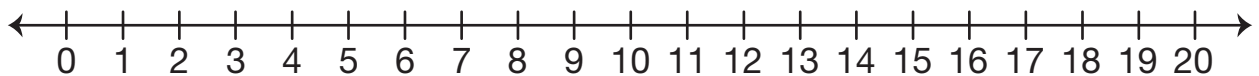
1. Show or tell how to solve $7 + 5$.

← | 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 | →
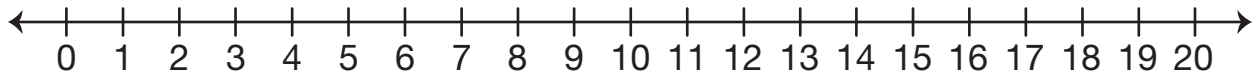
2. Show or tell how to solve $8 + 9$.

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

3. Ming started to solve 6 + 8. Help him finish his strategy.

I know 5 + 5 = 10.

Ming

$$6 \quad + \quad 8$$

$$5 + 1 \quad + \quad \boxed{3} \quad + \quad \boxed{}$$

$$\boxed{5 + 5} \quad + \quad \boxed{} \quad + \quad \boxed{}$$

$$\boxed{10} \quad + \quad \boxed{} \quad = \quad \boxed{}$$

4. Solve each problem. Write a number sentence to show your strategy.

Rule: Doubles +1	
Number	**Number Sentence**
6	
4	
3	
12	

5. Irma had 16 leaves in her collection. Her brother found 6 more to add to her collection. How many leaves does Irma have now? Help Irma complete her strategy below.
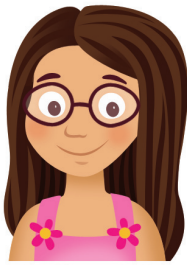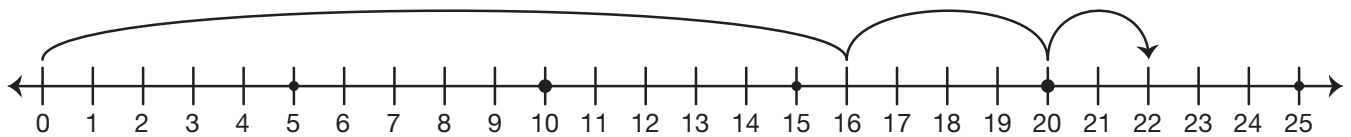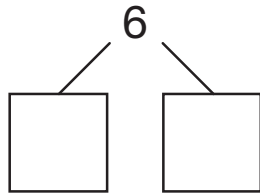
Irma

I have 16. I have to add 6 more.

16 + 6

What number do I put with 16 to make 20?

$16 +$ ☐ $= 20$

How can I split 6 to get the partner number for 16?

6
☐   ☐

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

$16 + 4 + 2 =$ ☐

6. Show Irma how to solve 16 + 6 using ten frames.

7. Show or tell how to solve 13 + 9.