Topic 7: Addition and Subtraction Within 20

1. Add by 'counting on'.

   Example: 12 + 4 = 16
   Count 4 ones from 12: 13, 14, 15, <u>16</u>

   (a) 13 + 5 = _____ (b) 9 + 3 = _____

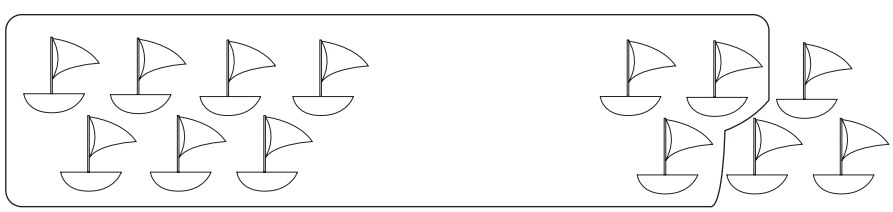
   (c) 8 + 4 = _____ (d) 15 + 3 = _____

   (e) 17 + 2 = _____ (f) 18 + 1 = _____

   (g) 6 + 6 = _____ (h) 7 + 4 = _____

2. Add by "making 10". Circle pictures to make 10 first. Then, fill in the missing numbers.

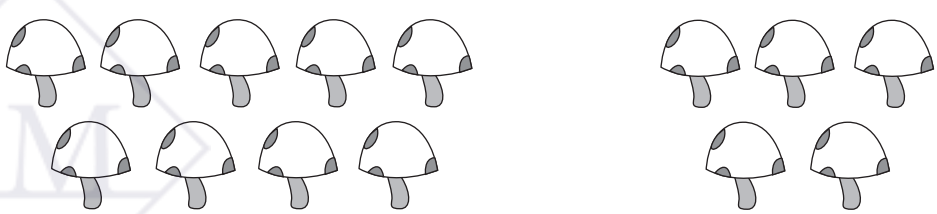
   (a)



   7 + 6 = 10 + 3

   3 3 = _____

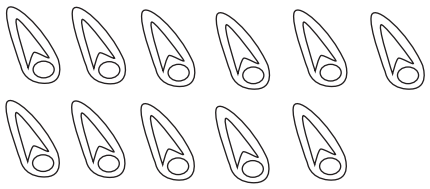
   (b)

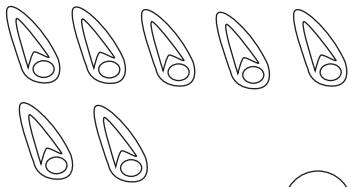


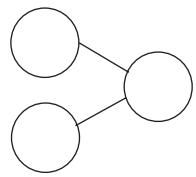
   9 + 5 = 10 + _____

   = _____

3. After giving 7 hair clips to her friend, Lydia had 11 hair clips left. How many hair clips did Lydia have at first?

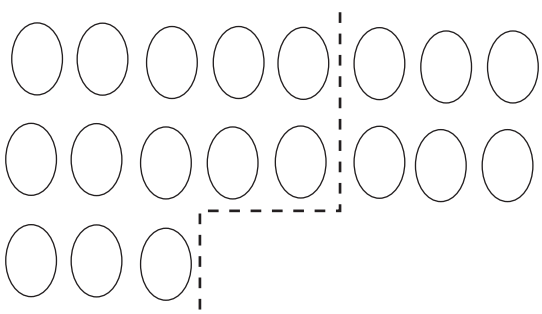


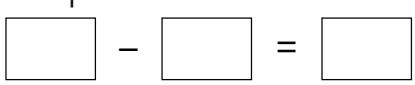


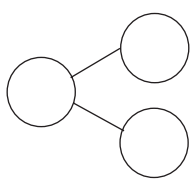


Lydia had _____ hair clips at first.

4. Barbara bought 19 eggs from the market. On the way home, she broke 6 of them. How many eggs were not broken?

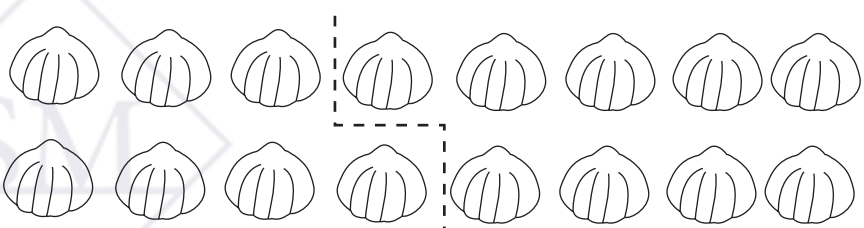


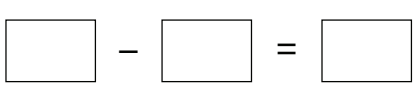


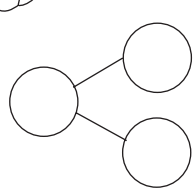


_____ eggs were not broken.

5. Greg has 16 shells. Joseph has 9 shells fewer than Greg. How many shells does Joseph have?







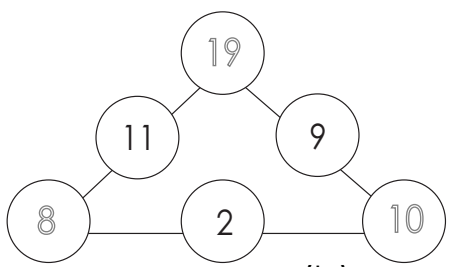
Joseph has _____ shells.

2. Fill in the correct numbers at the ends such that the difference of any two end numbers gives the number in the middle of the line joining these two end numbers. Use numbers within 20 to fill in the missing end numbers.

   [Note: The difference of two numbers means subtracting the smaller number from the larger number.]

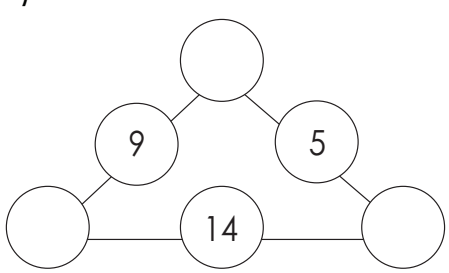
   [Clue: There are many possible ways. You may start by filling in any number within 20 at any one end and then check if the answers at the other two ends can both be within 20. If not, start with another number within 20.]

   Example:

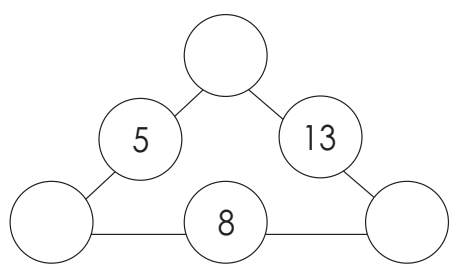


Check:
19 – 8 = 11
10 – 8 = 2
19 – 10 = 9

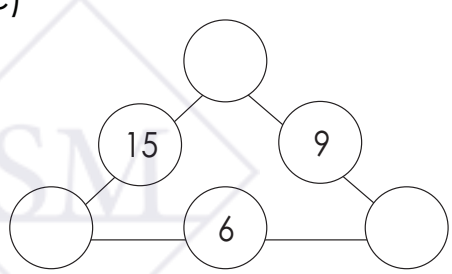
(a)



(b)



(c)



(d)