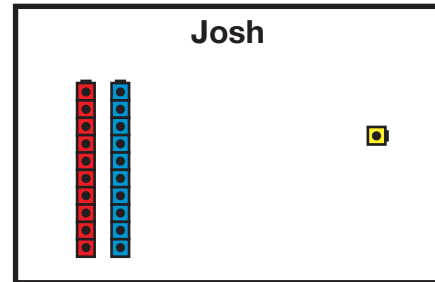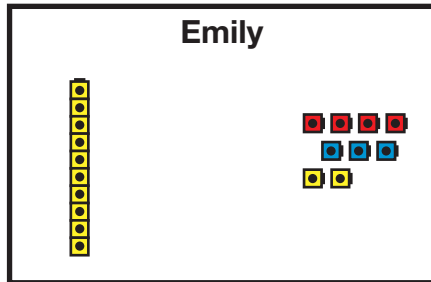# Professor Peabody's Problems

Solve the following problems with connecting cubes.

1. Emily and Josh each grabbed a handful of connecting cubes. They counted them and grouped them.
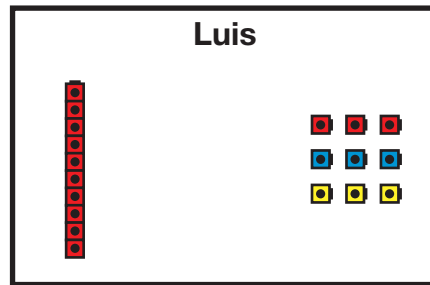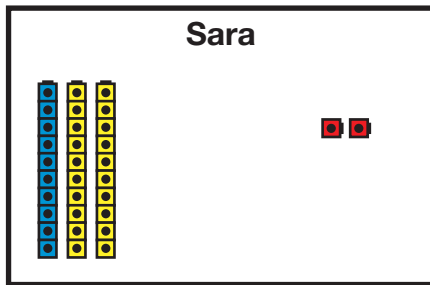
Emily	Josh

Professor Peabody said, "Emily has more because she has nine loose cubes and Josh has only one."

Is Professor Peabody right? _____
Show or tell how you know.

Write a number sentence for Emily's cubes.

_____

Write a number sentence for Josh's cubes.

_____

2. Sara shows 32 connecting cubes on her recording sheet. Luis shows 19.
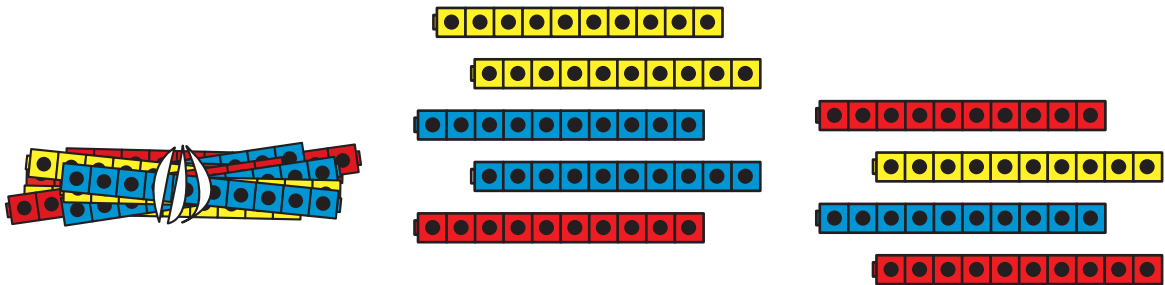

Professor Peabody said, "Luis has more because he has 10 pieces and Sara has only 5." How would you help Professor Peabody? Explain.

Write a number sentence for Sara's cubes.

_____

Write a number sentence for Luis's cubes.

_____

3. Professor Peabody found a bag of buttons. There were 109 buttons in the bag. He used connecting cubes to model the number. Did Professor Peabody model 109 correctly?
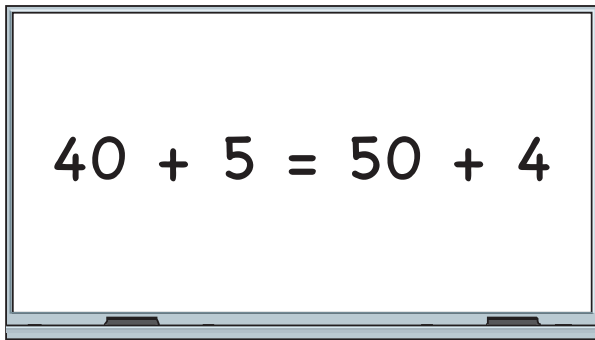
_____

Show or tell how you know.

Draw a correct model for 109 pieces.

Write a number sentence for your model.

4. Professor Peabody wrote this number sentence on the board:

40 + 5 = 50 + 4

I think 4 tens plus 5 ones is equal to 5 tens plus 4 ones.

Do you agree with Professor Peabody? Is $40 + 5 = 50 + 4$ a true number sentence? Show or tell how you know.