

Challenge 1.

Use the diagram and counters to tell your own number story for these calculations:

$$0 + 12 = \underline{\quad}$$

$$7 + 0 = \underline{\quad}$$

$$14 + \underline{\quad} = 17$$



First



Then



Now



Mo and Jack are working out $11 + 7$

Mo says,



11, 12, 13, 14, 15, 16, 17

Jack says,



12, 13, 14, 15, 16, 17, 18

Use a number line to show who is correct.

Challenge 2.

Ron starts at 9 and adds on 5

Alex starts at 5 and adds on 9

Show their calculations on the number lines.

What do you notice? Does this always happen?

Which method do you like best? Why?

