

Do you notice anything about the solutions when you add and/or subtract consecutive negative numbers?

Take, for example, four consecutive negative numbers, say:

-7, -6, -5, -4

Now place + and/or - signs between them.



There are many more possibilities. Try to list all of them, and then work out the solutions to the various calculations.



Choose a different set of four consecutive negative numbers and repeat the process.

Take a look at both sets of solutions. Notice anything? Can you explain any similarities?

Can you predict some of the solutions you will get when you start with a different set of four consecutive negative numbers?

Test out any conjectures you may have.

Can you explain and justify your findings?