

Multiplication and addition in a problem solving way

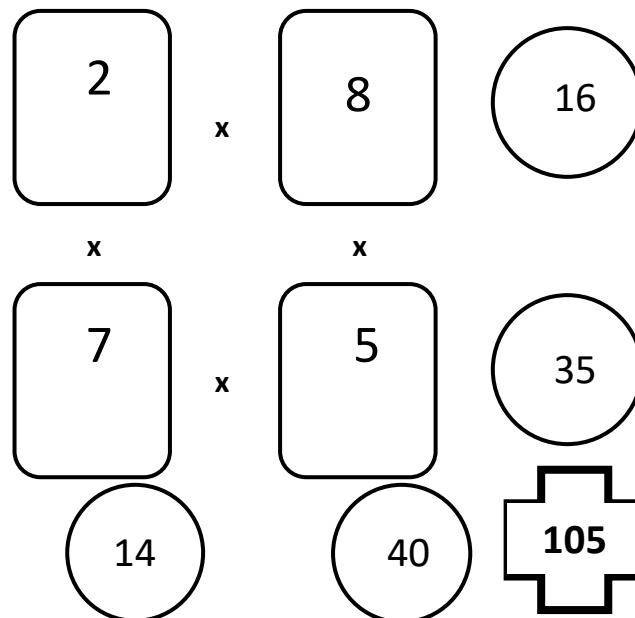
This task is based upon using the grid below and choosing any four numbers from 1 to 12.

For example if you choose 2, 8, 7 and 8 as your four numbers, you might choose to place them as shown below.

Next we multiply horizontally and vertically (2×8 , 8×5 , 2×7 and 7×5).

Next we add the four products, 16, 40, 14 and 35 in the circles.

The total of these four product, as shown below, is 105.



The task now is to see if it is possible to gain a different total by rearranging the four numbers, in a different way, using the same grid.

Your child can now be encouraged to see what the maximum and the minimum totals are for another, different, choice of four numbers.

