



Level 2

Math Olympics

Q1. If the difference of two numbers is 9 and their product is 16, what is the sum of their squares?

Q2. If you were to construct a 7 x 7 checkered square (i.e., a 7 x 7 chess board), how many squares would there be in total?

Q3. Divide \$105 (in whole \$ increments) into a number of bags so that I can ask for any amount between \$1 and \$105, and you can give me the proper amount by giving me a certain number of these bags without opening them. What is the minimum number of bags you will require?

Q4. What are x and y?

1 3 3 6 5 9 7 12 x y



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