

Ekstra-Ekstraopgaver

Disse opgaver er ekstra opgaver til dem af jer der er færdig med alle andre opgaver og ønsker ekstra udfordring.

Opgaverne løses ved for hvert problem at skrive et program der kan outputte en enkelt løsning til problemet.

Problem 1 - Age of the priest:

A priest and a bellringer are in conversation.

Priest: Today 3 persons were in church besides us. The product of their ages is 2450. The sum of their ages is your age times two. Can you figure out how old they were?

The ringer takes a few moments to think, but then says.

Ringer: No I can't.

Priest: What if I tell you that I was the oldest one in church today, can you solve the problem now?

Ringer: Yes I can!

So, now the question is. How old is the priest?

Udskriv gerne alder på alle 5 mennesker i kirken.

Problem 2 - The two numbers:

In a highschool class, the teacher picks two numbers in the range 2 - 100. The product of the numbers is given to a student named Moa. The sum is given to another student named Joel.

Moa: I don't know the sum of the numbers.

Joel: I knew that you didn't know.

Moa: Now I know what the sum is.

Joel: aha, now I know what the product is.

What are the two numbers?