More RSA Problems

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Just a couple more examples.

1. Let \( p = 13, q = 19 \). Figure out the smallest encryption exponent \( r \) that you can use, write down your \( N \) and \( r \), then determine the decryption exponent \( s \). Encrypt the message \( M = 100 \) and decrypt it.

2. Do the same for \( p = 11, q = 17 \). The message \( M = 100 \) as in question 1.