

Remainders

Find a number using the clues about remainders.

Example:

This number leaves a remainder of 3 when divided by 5 and a remainder of 1 when divided by 4.

Start with 5 and add 3 so $5 + 3 = 8$. This number leaves a remainder of 3 when divided by 5. But 8 leaves no remainder when divided by 4.

Try adding another 5 to 8 so $5 + 8 = 13$. This number leaves a remainder of 3 when divided by 5. It also leaves a remainder of 1 when divided by 4.

The answer is 13.

● Find these numbers.

1. This number leaves remainders of 1 and 1 when divided by 5 and 3.

2. This number leaves remainders of 0 and 4 when divided by 6 and 7.

3. This number leaves remainders of 1 and 3 when divided by 5 and 4.

4. This number leaves remainders of 2, 3 and 2 when divided by 3, 5 and 7.

5. This number leaves remainders of 1, 1 and 0 when divided by 2, 7 and 5.

Challenge

● Make up a question on remainders for a friend to answer.