

Question:**Numbers**

A number when divided by a divisor, left remainder 23. When twice of the number was divided by the same divisor, remainder was 11. Find the divisor.

- 1 12
- 2 34
- 3 35
- 4 24

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Explanation:

Let number be N.

Then, $N = \text{Divisor} \times Q_1 + 23$

$2N = \text{Divisor} \times Q_2 + 11$, where Q_1 and Q_2 are quotients respectively.

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