

## INTEGER DIVISORS

## **Definition**

Let  $a, b \in \mathbf{Z}$ . a is a divisor of b if there exists k > 0 so that ak = b.

If instead b = ak + r where r > 0 and r < a, then we call r the remainder of dividing a into b.

## **Notation**

We denote the remainder of dividing a into b by  $b \mod a$ .

