

Definition

We say that a **divides** b , or $a|b$, if $b = ka$ for some $k \in \mathbb{Z}$.

- 1 Since $20 = 4 * 5$, we have $4|20$ and $5|20$.
- 2 (Also $2|20, 10|20, 1|20$)
- 3 We also have $8 \nmid 9$, for example.