$$1 + 2 + 3 + 4 + 5 + 6 = 21$$

$\boxed{\cdot} = \dfrac{1}{21}$ $\boxed{::} = \dfrac{4}{21}$

$\boxed{\cdot\,\cdot} = \dfrac{2}{21}$ $\boxed{\vdots\,\cdot} = \dfrac{5}{21}$

$\boxed{\cdot\cdot\cdot} = \dfrac{3}{21}$ $\boxed{::\,:} = \dfrac{6}{21}$

$$\dfrac{21}{21}$$

$$P(\text{gerade Zahl}) = P(\boxed{\cdot\cdot}) + P(\boxed{::}) + P(\boxed{:::})$$

$$= \dfrac{12}{21}$$

$$P(\text{Primzahl}) = P(\boxed{\cdot\,\cdot}) + P(\boxed{\cdot\cdot\cdot}) + P(\boxed{\vdots\,\cdot})$$

$$= \dfrac{10}{21}$$