

Teilmengen

Lösung

Notiere jeweils die Teiler der angegebenen Zahl.
Ist diese Zahl eine Primzahl?

1) $T_{77} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 7, 11, 77\}$
2) $T_{54} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 2, 3, 6, 9, 18, 27, 54\}$
3) $T_{32} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 2, 4, 8, 16, 32\}$
4) $T_{47} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 47\}$ Primzahl
5) $T_{36} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 2, 3, 4, 6, 9, 12, 18, 36\}$
6) $T_{10} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 2, 5, 10\}$
7) $T_8 = \{ \rule{15cm}{0.4pt} \}$	$\{1, 2, 4, 8\}$
8) $T_{16} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 2, 4, 8, 16\}$
9) $T_{30} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 2, 3, 5, 6, 10, 15, 30\}$
10) $T_{41} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 41\}$ Primzahl
11) $T_{13} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 13\}$ Primzahl
12) $T_{91} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 7, 13, 91\}$
13) $T_6 = \{ \rule{15cm}{0.4pt} \}$	$\{1, 2, 3, 6\}$
14) $T_{97} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 97\}$ Primzahl
15) $T_{21} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 3, 7, 21\}$
16) $T_{15} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 3, 5, 15\}$
17) $T_{31} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 31\}$ Primzahl
18) $T_{28} = \{ \rule{15cm}{0.4pt} \}$	$\{1, 2, 4, 7, 14, 28\}$