

Name:

Datum:

## Zahlentheorie 2 - Spezielle Teilbarkeitsregeln - Aufgaben - Lösungen

1.

	1	2	3	4	5	6	7	8	9	10	11	12
33	x		x								x	
432	x	x	x	x		x		x				x
735	x		x		x		x					
165	x		x		x							
593	x											
615	x		x		x							
780	x	x	x	x	x	x				x		x
910	x	x			x		x			x		
1080	x	x	x	x	x	x		x	x	x		x
1488	x	x	x	x		x		x				x
1960	x	x		x	x		x	x		x		
2434	x	x										
5160	x	x	x	x	x	x		x		x		x
15396	x	x	x									
60948	x	x	x	x		x			x			x
84684	x	x	x	x		x						x

2.

$$T_{26} = \{1; 2; 13; 26\}$$

$$T_{49} = \{1; 7; 49\}$$

$$T_{33} = \{1; 3; 11; 33\}$$

$$T_{25} = \{1; 5; 25\}$$

$$T_{52} = \{1; 2; 4; 13; 26; 52\}$$

$$T_{78} = \{1; 2; 3; 6; 13; 26; 39; 78\}$$

$$T_{72} = \{1; 2; 3; 4; 6; 8; 9; 12; 18; 24; 36; 72\}$$

$$T_{84} = \{1; 2; 3; 4; 6; 7; 12; 14; 21; 28; 42; 84\}$$

$$T_{64} = \{1; 2; 4; 8; 16; 32; 64\}$$

$$T_{90} = \{1; 2; 3; 5; 6; 9; 10; 15; 18; 30; 45; 90\}$$

$$T_{100} = \{1; 2; 4; 5; 10; 20; 25; 50; 100\}$$