

1. (a) $51 = 3 \cdot 17$
- (b) $55 = 5 \cdot 11$
- (c) $63 = 3 \cdot 3 \cdot 7$
- (d) $76 = 2 \cdot 2 \cdot 19$
- (e) $81 = 3 \cdot 3 \cdot 3 \cdot 3$
- (f) $40 = 2 \cdot 2 \cdot 2 \cdot 5$
- (g) $72 = 2 \cdot 2 \cdot 2 \cdot 3 \cdot 3$
- (h) $32 = 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$

2. (a) $\text{ggT}(6, 8) = 2$
- (b) $\text{ggT}(10, 15) = 5$
- (c) $\text{ggT}(34, 85) = 17$
- (d) $\text{ggT}(36, 60) = 12$
- (e) $\text{ggT}(72, 56) = 8$
- (f) $\text{ggT}(199, 398) = 199$
- (g) $\text{ggT}(175, 325) = 25$
- (h) $\text{ggT}(150, 750) = 150$
- (i) $\text{ggT}(500, 501) = 1$

3. (a)

90	=	2	3	3	5	
72	=	2	3	3	2	2
ggT	=	2	3	3		= 18
- (b)

160	=	2	2	2	2	2	5	
112	=	2	2	2	2		7	
ggT	=	2	2	2	2			= 16
- (c)

88	=	2	2	2	11	
143	=				11	13
ggT	=				11	= 11
- (d)

450	=	2	3	3	5	5	
375	=		3		5	5	5
ggT	=		3		5	5	= 75
- (e)

165	=	3	5	11		
210	=	3	5		2	7
ggT	=	3	5			= 15
- (f)

126	=	2	3	3	7	
84	=	2	3		7	2
ggT	=	2	3		7	= 42
- (g)

340	=	2	2	5	17	
442	=	2			17	13
ggT	=	2			17	= 34

4. (a) $\text{kgV}(8, 12) = 24$
 (b) $\text{kgV}(7, 14) = 14$
 (c) $\text{kgV}(18, 24) = 72$
 (d) $\text{kgV}(11, 9) = 99$
 (e) $\text{kgV}(36, 45) = 180$
 (f) $\text{kgV}(25, 40) = 200$
 (g) $\text{kgV}(99, 100) = 9900$
 (h) $\text{kgV}(199, 398) = 398$

5. (a)
$$\begin{array}{r} 56 = 2 \ 2 \ 2 \ 7 \\ 196 = 2 \ 2 \ \ \ 7 \ 7 \\ \hline \text{kgV} = 2 \ 2 \ 2 \ 7 \ 7 = 392 \end{array}$$
- (b)
$$\begin{array}{r} 131 = 131 \\ 164 = \ \ \ \ 2 \ 2 \ 41 \\ \hline \text{kgV} = 131 \ 2 \ 2 \ 41 = 21484 \end{array}$$
- (c)
$$\begin{array}{r} 170 = 2 \ 5 \ 17 \\ 385 = \ \ 5 \ \ \ 7 \ 11 \\ \hline \text{kgV} = 2 \ 5 \ 17 \ 7 \ 11 = 13090 \end{array}$$
- (d)
$$\begin{array}{r} 444 = 2 \ 2 \ 3 \ 37 \\ 740 = 2 \ 2 \ \ \ 37 \ 5 \\ \hline \text{kgV} = 2 \ 2 \ 3 \ 37 \ 5 = 2220 \end{array}$$
- (e)
$$\begin{array}{r} 24 = 2 \ 2 \ 2 \ 3 \\ 350 = 2 \ \ \ \ \ \ 5 \ 5 \ 7 \\ \hline \text{kgV} = 2 \ 2 \ 2 \ 3 \ 5 \ 5 \ 7 = 4200 \end{array}$$
- (f)
$$\begin{array}{r} 25 = 5 \ 5 \\ 350 = 5 \ 5 \ 2 \ 7 \\ \hline \text{kgV} = 5 \ 5 \ 2 \ 7 = 350 \end{array}$$
- (g)
$$\begin{array}{r} 888 = 2 \ 2 \ 2 \ 3 \ 37 \\ 999 = \ \ \ \ \ \ 3 \ 37 \ 3 \ 3 \\ \hline \text{kgV} = 2 \ 2 \ 2 \ 3 \ 37 \ 3 \ 3 = 7992 \end{array}$$
- (h)
$$\begin{array}{r} 11 = 11 \\ 111 = \ \ \ 3 \ 37 \\ \hline \text{kgV} = 11 \ 3 \ 37 = 1221 \end{array}$$
- (i)
$$\begin{array}{r} 420 = 2 \ 2 \ 3 \ 5 \ 7 \\ 990 = 2 \ \ \ 3 \ 5 \ \ \ 3 \ 11 \\ \hline \text{kgV} = 2 \ 2 \ 3 \ 5 \ 7 \ 3 \ 11 = 13860 \end{array}$$
- (j)
$$\begin{array}{r} 5040 = 2 \ 2 \ 2 \ 2 \ 3 \ 3 \ 5 \ 7 \\ 2424 = 2 \ 2 \ 2 \ \ \ 3 \ \ \ \ \ \ 101 \\ \hline \text{kgV} = 2 \ 2 \ 2 \ 2 \ 3 \ 3 \ 5 \ 7 \ 101 = 509040 \end{array}$$