

- 1.** (1)  $2 \times 2 \times 2 \times 2 \times 2 \times 3$   
(2)  $2 \times 23$   
(3) No  
(4)  $2 \times 2 \times 2 \times 2 \times 2 \times 3 \times 2 \times 23$
- 2.** (1)  $3 \times 3 \times 3 \times 3$   
(2)  $2 \times 41$   
(3) Yes  
(4)  $3 \times 3 \times 3 \times 3 \times 2 \times 41$
- 3.** (1)  $2 \times 5$   
(2)  $2 \times 2 \times 2 \times 2 \times 5$   
(3) No  
(4)  $2 \times 5 \times 2 \times 2 \times 2 \times 2 \times 5$