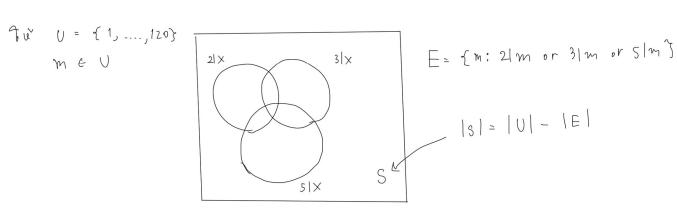
15 Quiz 2A  $\vec{n}$   $\vec{$ 

120 = 2×2×2 × 5×3

gcd(x3120)=1 <> 2/x 112=3/x 112=5/x.



$$|S| = |U| - |\{m:2|m\}| - |\{m:3|m\}| - |\{m:5|m\}| + |\{m:2|m \text{ and } 3|m\}| + |\{m:2|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 5|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}| + |\{m:3|m \text{ and } 3|m \text{ and } 3|m\}|$$