17. Interference maxima occur at angles θ such that $d \sin\theta = m\lambda$, where m is an integer. Since $d = 2.0\,\text{m}$ and $\lambda = 0.50\,\text{m}$, this means that $\sin\theta = 0.25m$. We want all values of m (positive and negative) for which $|0.25m| \leq 1$. These are -4, -3, -2, -1, 0, $+1$, $+2$, $+3$, and $+4$. For each of these except -4 and $+4$, there are two different values for θ. A single value of θ ($-90°$) is associated with $m = -4$ and a single value ($+90°$) is associated with $m = +4$. There are sixteen different angles in all and, therefore, sixteen maxima.