



Problem of the Week

Problem D

Ten Slice Pizza

The DECI-Pizza Company has a special pizza that has 10 slices. Two of the slices are each $\frac{1}{6}$ of the whole pizza, two are each $\frac{1}{8}$, four are each $\frac{1}{12}$, and two are each $\frac{1}{24}$. A group of n friends share the pizza by distributing all of these slices. They do not cut any of the slices. Each of the n friends receives, in total, an equal fraction of the whole pizza. For what values of $n > 1$ is this possible?

