Squirreling It Away

Level E

Three squirrels are storing acorns for the winter. There is a pile of acorns for them to store, and they are taking trips back and forth from the pile of acorns to their nests. Each squirrel can carry different amounts of acorns.

- Brown squirrels can carry 2 acorns at a time.
- Gray squirrels can carry 3 acorns at a time.
- Black squirrels can carry 5 acorns at a time.

Determine a generalization for finding how 3 squirrels can divide up any given number of acorns.

Explain your solutions.