**Problem of the Week #50**

**- Cruising with Passengers**

The captain of a cruise ship was asked by one of his crewmen before departing how many guests were on board. The captain replied:

* $\frac{1}{6}$ of our guests are seniors
* $\frac{1}{4}$ of our guests are children or teenagers
* There are three times as many adults as teenagers
* There are 138 children on board

How many passengers are on board the cruise ship?

How many of these passengers are seniors, teenagers, or adults?