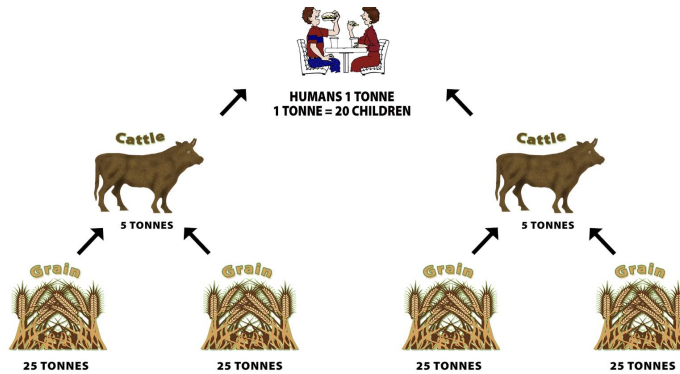


FOOD PYRAMID GAME EXTRAS

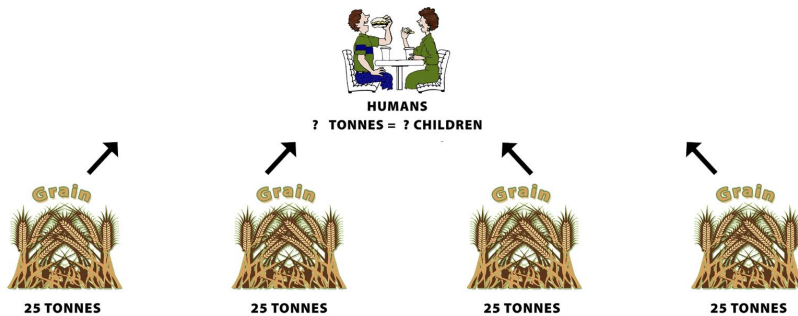
FPO

OMNIVOROUS OPTIONS PYRAMID

- A good demonstration to show that biomass is greatest at the lowest trophic levels is to show that an **OMNIVOROUS** population, such as humans, can sustain higher numbers on a **VEGETARIAN** diet.
- The teacher assembles the pyramid from the Omnivorous Options sheet (Food Pyramid Options cards have “FPO” in lower right hand corner)
- RESOURCES:
4 grain cards @ 25 tonnes 2 cattle cards @ 5 tonnes 1 human card @ 1 tonne = 20 children.
- Pin the cards to your board. Point out and explain the Rule of Ten - 100 tonnes - 10 tonnes - 1 tonne.



- The teacher should then ask somebody to remove both the cattle cards and place the other human card (? Tonnes = ? Children) directly above the line of grain.



How many children can there be now? The answer is 10 tonnes = 200 Children.

POLLUTION PYRAMID

A Pollution Pack is supplied as a single sheet of 8 cards. Cut out the “Pollution” cards along the dotted lines (Food Pollution cards have “FPO” in lower right hand corner of each card).

- Give the finished Food Pyramid Game cards to 15 pupils . Place the pupils in lines
8x Algae 4x Plankton 2x Fish 1x Nessie
(Arranged in rows as in the Food Pyramid guide picture)



- Give each of the ALGAE pupils one “Pollution” card.
- Then the PLANKTON eats the ALGAE and Pollution by taking the Algae & “Pollution” cards from the Algae.
- Then the FISH eat the Plankton by taking all the Plankton, Algae and Pollution cards.
- Then NESSIE eats the Fish by taking all the Fish, Plankton, Algae and Pollution cards.
- So ALL the NUTRIENTS AND POLLUTANTS are passed up the pyramid, demonstrating the increasing concentration of pollutants.