

SKE+ Learning together through Problem Solving

An invitation to do some mathematics

Strand G: RELATIONS, FUNCTIONS and GRAPHS

Melons and Melon Juice



An empty fruit crate weighs 3 kg. When filled with 10 melons it weighs 23 kg. Plot the weight of the fruit crate as a function of the number of melons it contains.

An empty 50 litre can weighs 3 kg. When filled with melon juice it weighs 23 kg. Plot the weight of the can and juice as a function of the volume of melon juice in the can.

Discuss the similarities and differences of your two graphs.