Solutions to Exercises at end of “Maths-Modelling-Diagrammatic-Form”

**Simple Formula as Models**

1. 115(1750) = €201,250
2. Assuming it takes 10 minutes per kg to cook (0.842)(10) + 10 = 18.42 minutes
3. Circumference , 2(
4. Area = Base by Perpendicular Height, (1.2)(3.8) = 4.56

**Conversion Formula as Models**

1. Weight by Conversion Factor (1 ton = 157.47 stone), (3.6)(157.47) = 566.892 stone
2. Conversion Factor (1 stone = 6.35029kg), (18.5)(6.35029) = 117. 480365kg
3. Conversion Factor (1gallon = 3.78541litres), (1000)( 3.78541) = 3785.41litres
4. Conversion Factor (1km = 0.6214miles), (101)( 0.6214) = 62.7614 miles
5. Conversion Factor (1mile = 1.60934km), (22)(1.60934) = 35.40548km

**Growth Models**

1. , = = = €465.85
2. , = = = €2977.54

1. = 7581.60 = =x therefore x= 6500