We want to create the following pivot table:

AgeRangeName			
Babys and toddlers	Older children	Small children	Young

Row Labels ▾	Number of transactions	Total value	Average value
2009	12,921	124,484.14	9.63
2010	12,673	121,049.33	9.55
2011	22	217.29	9.88
Grand Total	25,616	245,750.77	9.59

*The pivot table shows various statistics for products aimed at **Babys and toddlers**.*

There's a fair bit to do to get this to work! To start with, if you haven't already done so run the script in the above folder to generate the **MAM** database (not for commercial use or copying).

Here are the tables/relationships you'll need in your PowerPivot data model:
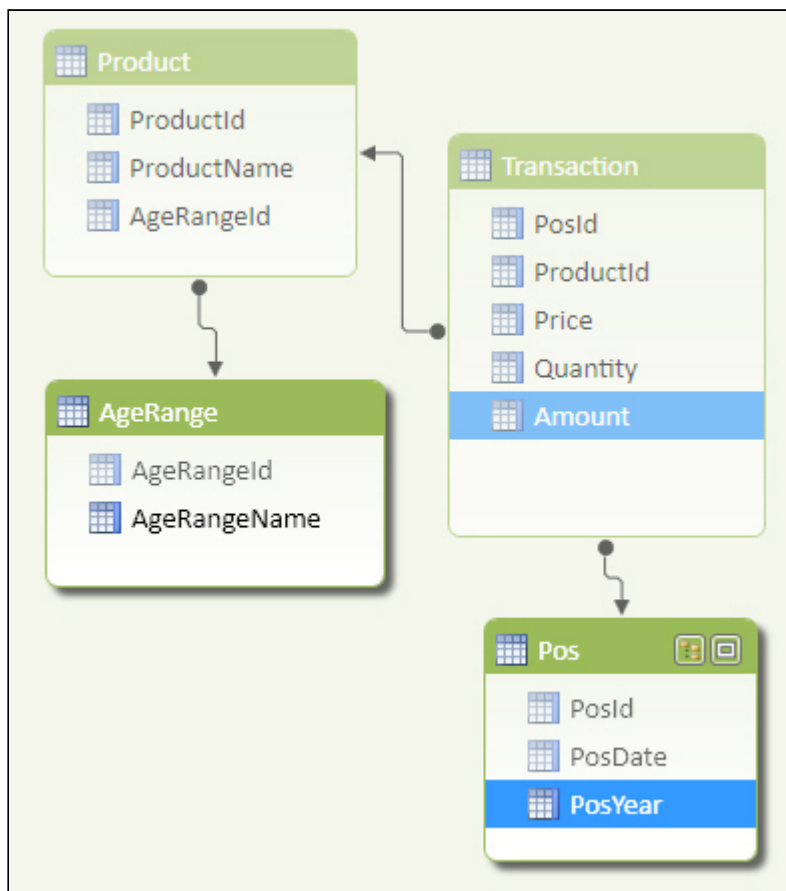
We'll create the columns shown selected in the next stage of the exercise.

To get our pivot table to work, create two calculated columns:

- A column called **Amount** in the transactions table (= price times quantity)
- A column called **PosYear** in the **Pos** table to give the year for each transaction date.

Now create (in this order) the three measures shown below:
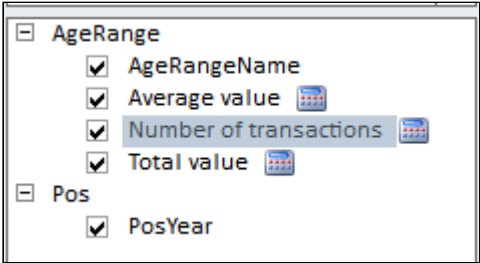
Create the measures in the order shown in the table below.

The measures to be created are:

Measure	Hints
Number of transactions	Count the number of rows in the transactions table.
Total value	Sum the **Amount** column in the transactions table.
Average value	Calculate the total value / the number of transactions.

You should now be able to create your pivot table, with the average value correctly calculated for each cell! When you've done this, save this workbook as **Phew**, then close it down.