Deepen Activities

1 Design a question in context, with a data set of five numbers, that gives the mean of 47.

> I can use the inverse of finding the mean to help me here.

2 Draw a table to show favourite colours for 72 children. Now represent this data accurately in a pie chart.

> First, I will work out how many degrees each child is worth on my pie chart.

3 **a)** Draw a line graph using the information in the table. Make sure that you use a suitable scale and label your graph accurately.

Depth of a submarine over time

	Hour 0	Hour 2	Hour 4	Hour 6	Hour 8
Depth (m)	0 m	38 m	105 m	173 m	248 m

b) Write down two questions you can ask about your graph. Give them to your partner to answer.

> I need to make my graph clear by drawing it as large as I can on my page.