CURVE STITCHING

For this **very simple task**, all you need is a sharp pencil and a 30 cm ruler.

WARNING: Although this task is amazingly simple to understand, it is also very, very easy to go wrong. Make sure you concentrate and **think** before you **draw**.

In the diagram shown below you can see a circle with 60 dots arranged around its circumference.

Action:

- print out the diagram
- draw a straight line from **dot 1** to **dot 2**
- draw a straight line from **dot 2** to **dot 4**
- draw a straight line from **dot 3** to **dot 6**
- then draw from **4** to **8**, **5** to **10**, **6** to **12**, etc, mapping the **two-times table**
- even after you have done **dot 30** to **dot 60** you can keep going. If you double 31 you get 62. There is no **dot 62** on the circle but you can re-use **dot 2**.

You should end up with a special shape called a cardioid. What does it remind you of?

Now see what happens if you map the three-times table. Or the four-times table.