To investigate area and perimeter.

1) Draw as many shapes as you can with an area of 4cm²
2) Underneath each shape write its perimeter.

3) Draw as many shapes as you can with an area of 5cm²
4) Underneath each shape write its perimeter.

5) Draw as many shapes as you can with an area of 6cm²
6) Underneath each shape write its perimeter.

7) Copy and complete this sentence into your book:

   The shapes with the smallest area are arranged
   _____. The shape with the largest area is
   arranged _____.

8) Using your idea from the sentence above, draw a shape with an
   area of 20cm² that you think will have the largest perimeter and the
   smallest perimeter.