**Summary:**

3300 variations. Scientific notation.

**Question: 3300 Variations**

1. The mean radius of the earth is approximately <EFOFEX>
   id:fxe{09d9b3c7-d67a-4a47-a165-4b806cc0194d}
   FXGP:DP-BYQ668C
   FXData:

   </EFOFEX>m. Express this measurement using scientific notation.
2. The mean radius of the moon is <EFOFEX>
   id:fxe{4e063bb4-1667-4392-8446-f8e6ed340595}
   FXGP:DP-4NGKUME
   FXData:

   </EFOFEX>metres. Write <EFOFEX>
   id:fxe{3a9ff9ce-adb2-47c5-818d-7c950605e3f5}
   FXGP:DP-4NGKUME
   FXData:

   </EFOFEX>metres as a number without scientific notation.
3. The diameter of a single human hair is approximately <EFOFEX>
   id:fxe{6f202c60-79d0-429a-9dac-ef687b1e37fc}
   FXGP:DP-BT5MFF9
   FXData:

   </EFOFEX>m. Express <EFOFEX>
   id:fxe{8230010b-5bbf-45ff-933f-171f7cfb05a4}
   FXGP:DP-BT5MFF9
   FXData:

   </EFOFEX> in scientific notation.
4. A nanometre is 10-9 metres. Express this in decimal form.

**Solution:**

1. <EFOFEX>
   id:fxe{b8264fee-1309-44da-8771-e76a925f4335}
   FXGP:DP-BYQ668C
   FXData:

   </EFOFEX>m.
2. <EFOFEX>
   id:fxe{1fa3fead-33cd-4f3f-8faf-f0aa96594194}
   FXGP:DP-4NGKUME
   FXData:

   </EFOFEX> m.
3. <EFOFEX>
   id:fxe{b1fa1bf6-761a-49e3-baa4-f253471a222a}
   FXGP:DP-BT5MFF9
   FXData:

   </EFOFEX>m.
4. 0.000000001 m.