What is Kaprekar's constant?

Consider any four-digit number, say 1732.

Arrange its digits in decreasing and increasing order, that's 7321 and 1237, take the difference, and you get

$$
\begin{aligned}
1732: &\quad 7321 - 1237 = 6084 \\
6084: &\quad 8640 - 0468 = 8172 \\
8172: &\quad 8721 - 1278 = 7443 \\
7443: &\quad 7443 - 3447 = 3996 \\
3996: &\quad 9963 - 3699 = 6264 \\
6264: &\quad 6642 - 2466 = 4176 \\
4176: &\quad 7641 - 1467 = 6174 \\
6174: &\quad 7641 - 1467 = 6174
\end{aligned}
$$