

IT'S CALLED A FOURIER TRANSFORM WHEN YOU TAKE A NUMBER AND CONVERT IT TO THE BASE SYSTEM WHERE IT WILL HAVE MORE FOURS, THUS MAKING IT "FOURIER." IF YOU PICK THE BASE WITH THE MOST FOURS, THE NUMBER IS SAID TO BE "FOURIEST."



$$\begin{array}{c} 624_{10} \rightarrow 1160_8 \\ \downarrow \\ 440_{12} \\ \downarrow \\ 4444_5 \checkmark \end{array}$$

Teaching math was way more fun after tenure.