Thursday - Divisibility Rules Investigation
(Two numbers have been done for you as an example)

| Number | Do the digits total a multiple of 3 ? | Division Calculation | Multiple of 3? (Answer has no remainder) |
| :---: | :---: | :---: | :---: |
| 415 | $\begin{gathered} 4+1+5=10 \\ \text { (No) } \end{gathered}$ | ${ }_{3}{ }^{4388 r^{1}}$ | No |
| 951 | $\begin{gathered} 9+5+1=15 \\ \text { (Yes, because } 5 \times 3=15) \end{gathered}$ | 3 $\begin{array}{r}317 \\ 951\end{array}$ | Yes |
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Challenge - can you test the divisibility rule for multiples of 9 ? The rules says that if the digits of a number add together to make a multiple of 9 , then the number you started with will also be a multiple of 9 .

