



Key Instant Recall Facts

Year 5 Spring ii

To know the tests for divisibility for 2,3,4,5,6,8,9 and 10

Divisible by:	If:	Examples:
2	The last digit is even (0,2,4,6,8)	12 8 is 12 9 is not
3	The sum of the digits is divisible by 3	381 ($3+8+1=12$ and $12\div 3=4$) yes 217 ($2+1+7=10$ and $10\div 3=3\frac{1}{3}$) no
4	The last 2 digits are divisible by 4	1312 is ($12\div 4=3$) 7019 is not
5	The last digit is 0 or 5	175 is 809 is not
6	The number is divisible by both 2 and 3	114 (it is even, $1+1+4=6$ and $6\div 3=2$) yes 308 (it is even, but $3+0+8=11$ and $11\div 3=3\frac{2}{3}$) no
8	The last three digits are divisible by 8	109 816 ($816\div 8=102$) yes 216 302 ($302\div 8=37\frac{3}{4}$) no
9	The sum of the digits is divisible by 9	1629 ($1+6+2+9=18$ and $1+8=9$) yes 2013 ($2+0+1+3=6$) no
10	The number ends in 0	220 is 221 is not

Key Vocabulary - **divisible by** or **evenly divided by** – both mean that one number can be divided by another and that the answer is a whole number

Top Tips

*The key to success is practising little and often.

*Can you practise these KIRFs while walking to school or on a car journey? Maybe choose a different fact every few days.

