**Special Date Magic Square**

nrich.maths.org/1380

|  |  |  |  |
| --- | --- | --- | --- |
| a | b | c | d |
| e | f | g | h |
| i | j | k | l |
| m | n | o | p |

1. Place the special date in the first row
2. Choose m & p so that: **b + c = m + p**

(there are many different possible values)

1. Choose g & j so that: **a + p = g + j**

(there are many different possible values)

1. Choose f & k so that: **m + d = f + k**

(there are many different possible values)

1. Choose n so that: **b + n = g + k**
2. Choose o so that: **c + o = f + j**
3. Choose h & l so that: **a + m = h + l**

(there are many different possible values)

1. All rows, columns and diagonals must add up to the same total – use this to work out e & i