

---

**Old New Year**  
*Rhyme for months of the year*

---

**DATA SHEET 1**

*Thirty days has September,  
April, June and November.  
All the rest have thirty-one,  
excepting February alone,  
which has but twenty eight days clear  
and twenty-nine in each leap year.*

## Old New Year

## DATA SHEET 2

**Algorithm to find day of the week of March 21<sup>st</sup> 1944**

<i>Step</i>	<i>Instruction</i>	<i>Example</i>
1.	Work out $D$ , the day of the year of the birth date	$D = 31 + 29 + 21 = 81$
2.	Let $Y =$ year	$Y = 1944$
3.	Calculate $\left[ \frac{\bar{Y} - 1}{4} \right]$ which means ignore the remainder	$\frac{Y - 1}{4} = \frac{1943}{4} = 485\frac{3}{4}$ $\left[ \frac{\bar{Y} - 1}{4} \right] = 485 \left[ \frac{\bar{Y} - 1}{4} \right] = 485$
4.	Let $S = D + Y + \left[ \frac{\bar{Y} - 1}{4} \right]$	$S = 81 + 1944 + 485$ $= 2510$
5.	Calculate $S \div 7$ and note the remainder	$S \div 7 = 358$ remainder 4
6.	The remainder is the KEY to the day of the week: $R = 0$ : Friday $R = 1$ : Saturday $R = 2$ : Sunday, etc.	$\left[ \frac{Y - 1}{4} \right] = 485$ $R = 4$ gives Tuesday,  <b>21<sup>st</sup> March 1944 was a Tuesday.</b>

---

**Old New Year****DATA SHEET 3*****Rhyme 'Monday's Child'***

---

**Monday's** *child is fair of face,*

**Tuesday's** *child is full of grace,*

**Wednesday's** *child is full of woe,*

**Thursday's** *child has far to go,*

**Friday's** *child is loving and giving,*

**Saturday's** *child must work hard for a living,*

*But the child that is born on the **Sabbath** day*

*Is healthy, wealthy and wise, they say.*