

Magical Mathematical Marvels!

What day was it?

Have you ever marvelled at those amazing people who can tell you straight away what day of the week any date was?

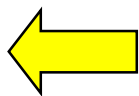
Do you know what day of the week you were born, for example?

Well this is how to do it. It looks a bit complicated and you have to be good at adding up and dividing by 4 and 7, but once you've had a few goes at it you will be amazed at how easy it gets.

January has 31 days. This means that every date in February will be 3 days later than the same date in January (28 is 4 weeks exactly).

Working on from this you get these numbers:

January	0
February	3
March	3
April	6
May	1
June	4
July	6
August	2
September	5
October	0
November	3
December	5



Keep this list
handy - it has
everything you
need to work it
out!

Now go on to the next page to see what to do.....

First of all ask for the date: eg 14th May 1951

You need:

1. The number for the month - on the list May is 1
2. The date of the month - this is 14
3. The last two digits of the year - this is 51
4. The number of leap years. To get this divide the last two digits of the year by 4 (ignore remainders)
51 divided by 4 is 12

Add up the four numbers: $1 + 14 + 51 + 12 = 78$

Divide 78 by 7 = 11 remainder 1

It is the remainder which tells you what day it is:

Monday	1
Tuesday	2
Wednesday	3
Thursday	4
Friday	5
Saturday	6
Sunday	0

So, 14th May 1951 was a
Monday!!
Easy really.
Try it out on your parents.

Puzzle????

In one corner of a field a farmer had $6\frac{3}{4}$ haystacks. In another corner he had $7\frac{1}{2}$ haystacks. In the middle of the field he had $4\frac{3}{4}$ haystacks and in another corner he had $7\frac{1}{4}$ haystacks. When the farmer puts them all together how many haystacks will he have?

Answer: 1