Write your questions
and thoughts here!

Mental Calendar Part 2 of 3:
Month and Day Values

Notes

The mental trick for calculating the day of the week only works for days on or after…

October 15, 1582

We will add up several numbers, and divide by _____. The remainder tells you the day of the week.

Remainder Value	Day of the week
0	
1	
2	
3	
4	
5	
6	

Month Values

Month	Month Value	Month	Month Value
*January		July	
*February		August	
March		September	
April		October	
May		November	
June		December	

*Subtract one if the year is a leap year.

Day Values

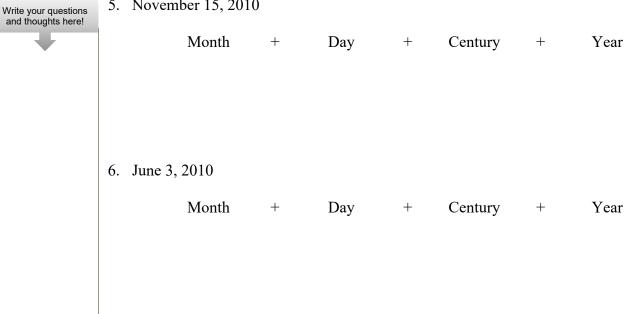Easiest part to remember. No calculations needed. If the date is January 15, then the day value is _____.

If the date is August 8, then the day value is _____.

Century and Year Values

We will cover this in the next lesson. For today, we will practice with the year 2010. The century and year value combined for 2010 is **4.**

Add and Divide by 7

$$\frac{month + day + century + year}{7}$$

We only care about the _____!

Practice

1. April 12, 2010

        Month   +   Day   +   Century   +   Year

2. January 1, 2010

        Month   +   Day   +   Century   +   Year

3. October 31, 2010

        Month   +   Day   +   Century   +   Year

Tricks and Shortcuts

Divide by 7 as you go to "reduce" your numbers.

4. August 21, 2010

        Month   +   Day   +   Century   +   Year

5. November 15, 2010

        Month   +   Day   +   Century   +   Year

6. June 3, 2010

        Month   +   Day   +   Century   +   Year

Mental Calendar Part 2 of 3: Month and Day Values

Practice

For the following dates, calculate the day of the week it occurred. Show the work for your calculations.

1. April 3, 2010	2. February 14, 2010
3. October 29, 2010	4. July 9, 2010
5. January 8, 2010	6. September 6, 2010
7. December 16, 2010	8. March 23, 2010

9. May 31, 2010

10. November 30, 2010

11. August 15, 2010

12. June 17, 2010

For the following dates, calculate the day of the week it occurred, but do it all in your head. No work!

13. September 1, 2010

14. January 11, 2010

15. June 18, 2010

16. April 20, 2010

17. August 28, 2010

18. October 6, 2010

19. November 24, 2010

20. December 23, 2010

21. May 5, 2010

22. March 5, 2010

23. July 9, 2010

24. February 12, 2010