Practice

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

1. April 3, 2010

$$\frac{6 + 3 + 4}{7} = \frac{13}{7}$$

Remainder: 6

Saturday

2. February 14, 2010

$$\frac{3 + 14 + 4}{7} = \frac{21}{7}$$

Remainder: 0

Sunday

3. October 29, 2010

$$\frac{0 + 29 + 4}{7} = \frac{33}{7}$$

Remainder: 5

Friday

4. July 9, 2010

$$\frac{6 + 9 + 4}{7} = \frac{19}{7}$$

Remainder: 5

Friday

5. January 8, 2010

$$\frac{0 + 8 + 4}{7} = \frac{12}{7}$$

Remainder: 5

Friday

6. September 6, 2010

$$\frac{5 + 6 + 4}{7} = \frac{15}{7}$$

Remainder: 1

Monday

7. December 16, 2010

$$\frac{5 + 16 + 4}{7} = \frac{25}{7}$$

Remainder: 4

Thursday

8. March 23, 2010

$$\frac{3 + 23 + 4}{7} = \frac{30}{7}$$

Remainder: 1

Tuesday

9. May 31, 2010

$$\frac{1 + 31 + 4}{7} = \frac{36}{7}$$

Remainder: 1

Monday

10. November 30, 2010

$$\frac{3 + 30 + 4}{7} = \frac{37}{7}$$

Remainder: 2

Tuesday

11. August 15, 2010

$$\frac{2 + 15 + 4}{7} = \frac{21}{7}$$

Remainder: 0

Sunday

12. June 17, 2010

$$\frac{4 + 17 + 4}{7} = \frac{25}{7}$$

Remainder: 4

Thursday

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

Wednesday

14. January 11, 2010

Monday

15. June 18, 2010

Friday

16. April 20, 2010

Tuesday

17. August 28, 2010

Saturday

18. October 6, 2010

Wednesday

19. November 24, 2010

Wednesday

20. December 23, 2010

Thursday

21. May 5, 2010

Wednesday

22. March 5, 2010

Friday

23. July 9, 2010

Friday

24. February 12, 2010

Friday