Calendar Math

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This activity is for Grades 3–6 to do in June 1996.

1. A side of a lot is 50 m. If posts are placed a metre apart, how many posts will be required for the fence?
2. If it takes three minutes to boil one egg, how long will it take to boil three eggs?
3. A jury is made up of 12 people. If a particular jury has 4 more women than men, how many men and women are on the jury?
4. What is half of 2¹2?
5. Tom can build a model car in 2 days. Susan can build a model car in 3 days. Together how many model cars can they build in 12 days?
6. When you write the numbers from 1 to 100, how many times do you write the digit 5?
7. If oranges cost 10¢ and grapefruits cost 20¢, what possible fruit arrangements can I buy for $2?
8. How many days until your next birthday?
9. Find the sum of the even numbers between 1 and 10.
10. The following numbers are all "Busy Bees." What do they have in common?

    96, 825, 339, 762, 2256

    Write two more "Busy Bees."
11. If June 6 falls on a Thursday, what day does June 20 fall on?
12. The straight line passing from one corner of a rectangle to the diagonally opposite corner is called a _____.
13. What is a four-sided figure with only two parallel sides called?
14. Graph the shoe sizes of the students in your class.
15. Continue the pattern: 2, 7, 12, 17 . . .
16. If you left home at 8:30 a.m. to go to school and did not reach home for seven hours, what time did you reach home?
17. Among your friends, six have only a dog as a pet, seven have only a cat as a pet, and four have a dog and a cat as pets. You have two dogs and one cat as pets. How may pets are there altogether?
18. Tim's mother made 24 cookies. He ate one-half of them, and his sister ate one-third of them. How many cookies were left?
19. Helen has $6, made up of an equal number of quarters, dimes and nickels. How many of each coin does she have?
20. The numbers 464; 1,001; 66 and 2,442 are called palindromes. Why? Write three more palindromes.
21. Use each of the following numbers 1, 2, 3, 4 one time to end with an answer of 10. You might add, subtract, multiply and divide. Is there more than one solution?
22. If Tom can run a kilometre in 5 minutes and Ann can run a kilometre in 280 seconds, who is the faster runner?
23. When you begin school at 9 a.m. in Alberta, what time is it in Toronto?
24. On Tuesday, I worked for seven hours and received $4.50 an hour. On Thursday, I worked five hours and received $5.00 an hour. How much money did I earn altogether.
25. I put half the money I earned in the bank. How much money did I keep?
26. Hamburger costs $3.50 per kg, and steak costs $8.00 per kg. Mary has $20.00 in her pocket. Does she have enough money to buy 2 kg of hamburger and steak? How much does she have left over, or how much is she short?
27. On Sunday, Michael eats one chocolate; on Tuesday, he eats two chocolates; and on Wednesday, he eats three chocolates. If he continues with the same pattern, how many chocolates will he eat in a week?
28. Using only nickels, dimes and quarters, how many ways can you make change for $1?
29. Canada became an independent nation on July 1, 1867. How old will Canada be on July 1, 1996?
30. Graph the birth dates of your classmates according to the month in which they were born. Which month has the most birthdays? The fewest?
31. Find 3 words that each contain 10 letters.

Many of these problems with minor adaptations can be made easier or more difficult depending on the students' ability and interests. Encourage students to make adaptations.