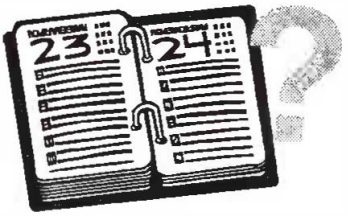

Calendar Math

Arthur Jorgensen

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

1. Continue this pattern: 0, 3, 6, 9, 12
2. How many days until Christmas Day?
3. A jar contains 550 jelly beans, consisting of 5 colors. If there are an equal number of each color, how many beans of each color are there?
4. Estimate how many students are in your school.
5. If a car can carry 5 people, how many cars will be required to haul 27 people to a hockey game in Mudville?
6. How many ways can you make change for a quarter?
7. Using 8 coins, make 46¢. Name the coins.
8. A farmer has 9 animals. They are either pigs or chickens. Together they have 30 legs. How many pigs and chickens does the farmer have?
9. How many sides has a pentagon?
10. When does $10 + 4 = +2$?
11. Graph favorite colors.
12. How many Wednesdays are there in January?
13. Numbers such as 2, 8, 14, 96, 100 are called _____ numbers. Why?
14. How are squares and triangles different?
15. Continue this series: 21, 20, 18, 15, 11
16. Graph the eye colors of students in your class.
17. How could you determine the thickness of this sheet of paper?
18. Estimate how many 2s there are on page 27 of your textbook.
19. What do the following numerals have in common?
    94, 76, 922, 553, 409, 1183
20. I took a handful of gumdrops from a bag. In my hand, I had 1 yellow, 2 green and 3 red gumdrops. If there are 60 gumdrops in the bag and the ratio is constant, how many of each color are there?
21. A Δ is worth 5¢, a ❑ is worth 10¢, and a ○ is worth 25¢. Using these shapes, draw a picture worth $1.40.
22. The straight line passing through the centre of a circle from side to side is called the _____?
23. Tom is 3 years older than Jane, but 2 years younger than Nomsa. If Nomsa is 12 years old, how old are Tom and Jane?
24. Make up a problem that has 3 for an answer.
25. If January 3 falls on a Wednesday, what day does January 23 fall on?
26. Place the numbers 1 to 6 on the sides of a triangle so that all sides have the same sum.

27. Hotdogs cost $1.07, and colas cost 85¢. In my pocket, I have $3.90. Do I have enough money for 2 of each?
28. Willy has 3 bikes, and his sister has 3 trikes. How many wheels are there altogether?
29. The temperature at 8 a.m. was -7°C. By noon, it had risen 10°C. What was the temperature at noon?
30. Find the sum of the odd numbers between 1 and 10.
31. The following numerals are all "Bozos." What do they have in common?
    63, 270, 441, 1233, 900, 621
    Write two more "Bozos."

A good way to effectively develop numerous problems or activities for calendar math is to assign a particular date to each student, and ask him or her to bring in a challenge problem or activity for that date. In this way, students are likely to bring in problems they can relate to.