MATH RIDDLES
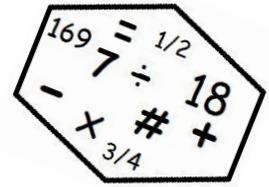
1) You have a barrel of water and you need to measure out just one gallon. How do you do this if you only have a three-gallon container and a five-gallon container?

2) If you have 6 black socks, 4 blue socks, 8 brown socks, and 2 red socks in your sock drawer, what is the minimum number of socks that you need to pull out in the dark to be sure you had a matching pair?

3) What's the easiest way to double your money?

4) Which month has 28 days?

5) A merchant can place 8 large boxes or 10 small boxes into a carton for shipping. In one shipment, he sent a total of 96 boxes. If there are more large boxes than small boxes, how many cartons did he ship?

6) A frog fell into a hole that was $14\frac{1}{2}$ feet deep. He could jump 3 feet, but he slid back a foot each time he jumped. How many jumps does it take him to get out of the hole?

7) A boy is twice as old as his sister, and half as old as their father. In 50 years, his sister would be half as old as their father. How old is the sister now?

8) How is the moon like a dollar?

9) It happens once in a minute, twice in a week, and once in a year. What is it?

Answers:

1) a) Fill the 3 gallon bucket -- pour the 3 gallons out into the 5 gallon bucket.

    b) Fill the 3 gallon bucket again. Pour two gallons to fill the bigger bucket to the top. Then you have 1 gallon left in the smaller bucket.

2) 5

3) Use a mirror (or a camera)

4) All of them!

5) 11 cartons total; 7 large boxes (7 x 8 = 56 boxes), 4 small boxes (4 x 10 = 40 boxes), 11 total cartons and 96 boxes.

6) The answer is 7! (Did this one trick you?)

7) The sister is 25. (In 50 years, his sister would be 75 and his father would be 150.)

8) They both have 4 quarters

9) The letter "e."