

Riddles

1. Three men are on a boat. The boat sinks but only two people get their hair wet. Why?
The third man was bald.
2. What does everyone need, want, and ask for but never take?
Advice
3. In what month of the year do people eat the least amount of food?
February (It is the shortest month)
4. I get smaller every time I take a bath. What am I?
Soap
5. What five letter word stays the same when you take away the first, third, and last letter?
Empty
6. Peel off my skin and I won't cry but you will. What am I?
Onion
7. What month do all soldiers hate?
March

Wuzzles

Answers:

- 1) Scatterbrain
- 2) Good intentions
- 3) Horseback riding
- 4) Daybreak
- 5) All things being equal
- 6) Always by my side

Math Puzzles

1. Write down the next line in the following pattern:

```
  1
 11
 21
1211
111221
312211
13112221
1113213211
31131211131221
.....?
```

Answer: Each row describes the grouping of the digits in the line above.

The top row "1" has one one, so we write "11" for the second row.

The second row "11" has two ones, so we write "21" for the third row.

And so on.

To describe the line: 31131211131221

We say: one three, two ones, one three, one one, one two, three ones, one three, one one, two twos and one one.

Which is: 13211311123113112211

2. If one and a half hens lay one and a half eggs in one and a half days, how many eggs does one hen lay in one day?

Answer: Find the daily rate per hen:

$$\text{Hens} \times \text{Days} \times (\text{Daily Rate}) = \text{Eggs}$$

$$1\frac{1}{2} \times 1\frac{1}{2} \times (\text{Daily Rate}) = 1\frac{1}{2}$$

$$(\text{Daily Rate}) = 1\frac{1}{2} / (1\frac{1}{2} \times 1\frac{1}{2})$$

$$\text{Daily Rate} = 1 / (1\frac{1}{2}) = 2/3$$

So 1 hen in 1 day will lay two-thirds of an egg

3. Santa caught a cold. Fortunately, he did manage to get a message through via one of his elves. Unfortunately, the naughty elf has hidden the message in a mysterious code. Can you crack it?

Answer: Start at the middle and spiral outwards.

Merry Christmas everybody and a Happy New Year too.

4. 3 kinds of apples are mixed in a box. How many apples must you take to be sure of at least 2 apples of one kind? At least 3 apples of one kind?

Answer: 4 apples; 7 apples

5. A calls 7, B 12, A 22, B 23, and so on. Each call is higher by any number from 1 through 10. Whoever calls 100, wins. How does A win?

Answer: To call 100, call 89; to call 89, call 78; call 67, 56, 45, 34, 23, 12 and start with 1. B cannot disrupt the order in any way.