

Math Puzzles

Answers are on the bottom of page

1. What is 5 divided by $1/2$ plus 3?
2. Mr. & Mrs. Smith have six daughters and each daughter has one brother. How many people are in the Smith family?
3. There are 7 girls in a bus. Each girl has 7 backpacks. In each backpack, there are 7 big cats. For every big cat there are 7 little cats.
Question: How many legs are there in the bus?

Answers

1. The answer is 13. $5 \text{ divided by } .5 = 10 + 3 = 13$
2. 9 family members total. 6 daughters, 1 brother and Mr. Smith & Mrs. Smith
3. 10,990 legs

7 girls x 2 legs	# legs 14
7 girls X 7 backpacks x 7 big cats = 353 big cats x 4 legs each	1,372
343 big cats x 7 little cats = 2,401 little cats x 4 legs each	<u>9,604</u>
Total	10,990

Math trivia on next page

Hmm...how does this work?

1. Key into a calculator the first 3 digits of your phone number (not area code)
2. Multiply by 80
3. Add 1
4. Multiply by 250
5. Add last 4 digits of your phone number
6. Add last 4 digits of your phone number again
7. Subtract 250
8. Lastly, divide by 2

Is this your phone number?

YOUR AGE BY CHOCOLATE MATHS

1. First of all, pick the number of times a week that you would like to have chocolate (more than once but less than 10)
2. Multiply this number by 2 (just to be bold)
3. Add 5
4. Multiply it by 50
5. If you have already had your birthday this year add 1756If you haven't, add 1755.
6. Now subtract the four digit year that you were born.

You should have a three digit number

The first digit of this was your original number (ie. how many times you want to have chocolate each week).

The next two numbers are

YOUR AGE!

$$\begin{array}{r} 111,111,111 \\ \times \\ 111,111,111 \\ = \\ 12,345,678,987,654,321 \end{array}$$