

Trivia Café Presents...
“Wide World of Trivia”
Category: Fun with Mathematics

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1. How many millimeters is one kilometer? 1 million ($1,000 * 1,000$)
2. On the clock of London's Big Ben, the minute hand is 14 feet long. How many feet does the tip of that hand move in one day? $14 \text{ feet} * 2\pi * 24 \text{ hours} = 2111$ feet
3. There are approximately 160,000 of these in every mile. What are they? Centimeters
4. A theater has 32 rows with 24 seats in each row. If 75% of the seats are occupied, how many seats are empty? $1/4 \text{ of } 32 * 24 = 192$ seats
5. Name two prime numbers with a sum of 1000 and the greatest possible difference. 3 and 997
6. One apple and one banana cost 90¢, an apple and a cucumber cost 80¢, and a banana and a cucumber cost 84¢. What does each edible item cost individually? Apple = 43¢, Banana = 47¢, Cucumber = 37¢
7. What is the cosine of 60 degrees? 0.5 or one-half
8. What Greek mathematician is considered the father of plane geometry? Euclid
9. What's the sum of the first 50 positive odd numbers? 2500
10. What is the cube root of 8000? 20 because $20 * 20 * 20 = 8000$