

.....
BINGO ANSWERS

1) How many positive integers are less than 10π ?

Answer: 31 positive integers

2) The product of two consecutive positive integers is 306. What is their sum? **Answer: 35**

3) The integer m is between 30 and 80 and is a prime number. When m is divided by 8, the remainder is 1. Similarly, when m is divided by 5, the remainder is 1. What is the value of m ? **Answer: 41**

4) What is 150% of 26? **Answer: 39**

5) Perry wants to order deli sandwiches for a party of 30 people. If a jumbo sandwich costs \$15.75 and feeds 10 people, what is the total cost for the sandwiches, rounded to the nearest dollar? **Answer: 47 dollars**

6) Solve the following equation for x : $\frac{2}{3} = \frac{4}{x-5}$

Answer: 11

7) The number 24 can be made by multiplying together four prime numbers: 2, 2, 2 and 3. How many primes must be multiplied to make 2400? **Answer: 8 primes**

8) Boy Scout Troop 324 is planning to go hiking for 1 day. There are 12 boys in the troop, and they will be accompanied by 3 scout leaders. Each person will need at least 3 bottles of water that day. What is the minimum number of bottles of water needed for the trip? **Answer: 45 bottles of water**

9) The first term of a sequence is 5 and each subsequent term is 5 less than twice the preceding term. What is the eighth term? **Answer: 5**

10) The mean of five whole numbers is 12, and the unique mode is 13. If all five numbers are greater than 9 but less than 14, what is the median of the five numbers? **Answer: 13**

11) What is the positive difference between 25^2 and 24^2 ? **Answer: 49**

12) What is the units digit of the least whole number greater than 1000 whose digits are all different? **Answer: 3**

13) Anna divides her collection of marbles into two equal piles. Her little sister then takes three marbles from one of the piles, leaving 27 marbles in that pile. How many marbles were in Anna's original collection of marbles? **Answer: 60 marbles**

14) When Johanna and Klara ate at their favorite restaurant, the subtotal was \$26.40. A 7% tax and an 18% tip were added to the bill, both applied to the subtotal. What was the total cost, including tax and tip? **Answer: 33 dollars**

15) One recipe for Tex-Mex four-layer dip calls for one layer each of refried beans, sour cream, guacamole and tomatoes. If the refried beans must be the bottom layer, in how many different orders can the dip be constructed? **Answer: 6 orders**

16) On a digital clock showing hours and minutes, how many different readings between noon and midnight contain at least two 3's? **Answer: 26 readings**

17) If p is prime and n is even such that $p + n = 47$ and $pn = 210$, what is the value of n ? **Answer: 42**

18) In how many different ways can 30 cents be made from any combination of quarters, dimes, nickels or pennies? **Answer: 18 ways**

19) The Battling Hummingbirds have won 40% of their first 60 games. If they win their next 12 games in a row, what percent of all of their games will they have won? **Answer: 50 percent**

20) The arithmetic mean of four numbers is 11.5. When the largest of the numbers is removed, the mean of the remaining three numbers is 9. What number was removed? **Answer: 19**

21) Katrina can bicycle 38 miles in four hours. At the same speed, how many miles does she bicycle in six hours? **Answer: 57 miles**

22) What is the median of the composite integers that are greater than 20 and less than 35? **Answer: 27**

23) If 3 flicks are equivalent to 8 flecks, and 6 flocks are equivalent to 4 flecks, how many flocks are equivalent to 12 flicks? **Answer: 48 flocks**

24) A clothing dealer sold two shirts at \$12 each. On one, he made a profit of 20%; on the other, he lost 20%. How many dollars did he lose on the two sales combined? **Answer: 1 dollar**

25) Ralph bought 5 dozen pencils for himself but gave 7 pencils to Stacey. How many pencils did Ralph have left? **Answer: 53 pencils**

26) A whole number, n , is chosen so that $n/3$ is strictly between 7.5 and 8. What is the value of n ?
Answer: 23

27) A pace in the United States is exactly 30 inches. Raymond was told to walk six paces and turn. What is the number of feet Raymond was told to walk before he turned? **Answer: 15 feet**

28) Kyle missed 21 of the first 50 free throws he attempted. What percent of those first 50 free throws did he make? **Answer: 58 percent**

29) A palindrome is a number that reads the same forward and backward. The year 1991 was the last palindromic year of the twentieth century. How many years between 2000 and 3000 are palindromes?
Answer: 10 years

30) A hot air balloon is 10 feet off the ground now and is rising at a constant rate of 2 feet per second. What is the height of the balloon, in feet, after 18 more seconds? **Answer: 46 feet**