

Speed Round

1. _____ What is the sum of the first 5 positive integers?
2. _____ What is $2 \times (109 - 9)$
3. _____ What is the area of a square with side length 5
4. _____ If a lion has 20 ice cream cones and wants to equally share them between him and 4 friends, how many ice cream cones will each lion have?
5. _____ What is $(1+11+21+31+41)+(9+19+29+39+49)$?
6. _____ If $5a = 100$ what is the value of a?
7. _____ What is the remainder when 201 is divided by 7?
8. _____ What is $\frac{3}{8} + \frac{5}{8}$?
9. _____ How many ways are there to pick a colored ball from a tub with 10 different colored balls?
10. _____ What is the sum of the first 10 positive odd numbers?
11. _____ Solve:

$$\text{😊} + \text{😐} = 13$$

$$\text{😊} + \text{😐} + \text{😐} = 19$$

$$\text{😐} + \text{😐} = ?$$

12. _____ What is $1 \times 2 \times 3 \times 4 \times 5 \times 6 \times 7$?
13. _____ A parrot that eats 1 fruit everyday has 44 parrot friends. Fifteen of his friends eat 3 fruits everyday, ten of them eat 5 fruits everyday, eight of them eat 6 fruit everyday, seven of them eat 10 fruits everyday, and four of the friends eat 25

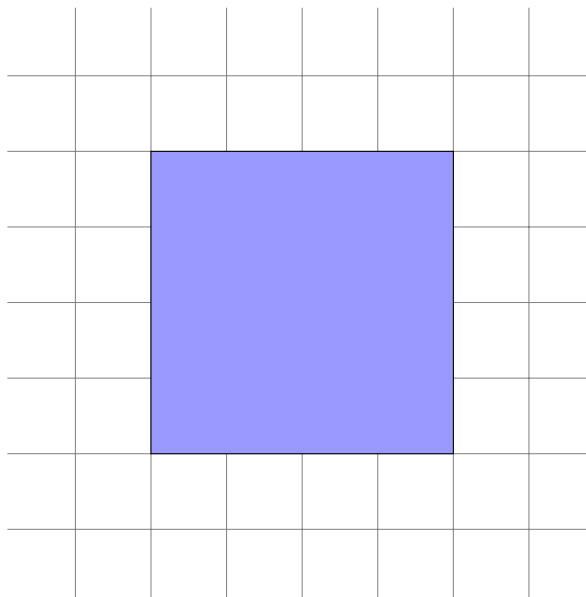
fruits each day. How many total fruits do the 45 parrots eat in total in a whole week?

14. _____ If $a = 5$, $b = 10$, $c = 15$, and $d = 0$, find the value of $c + d \times a - b$

15. _____ A palindrome is a number that is the same read back and forth. For example, 44 is a palindrome. How many 2 digit palindromes are there?

16. _____ On Planet X there lives a wizard. He has a magical potion that he can use to clone himself. When he clones himself he has to drink 10ml of the potion and the number of wizards is multiplied by two. For example, he can drink 40ml and have 16 wizards. If he has 100ml of the potion how many wizards will he have if he drinks it all?

17. _____ What is the (perimeter \times area) of the blue square if each white square has side length 1?



18. _____ It's back to school time and Steve needs to get supplies. I need a lunchbox, 3 pencils, an eraser, and a water bottle. Each lunchbox costs 10 dollars, each eraser costs 1 dollar 50 cents, and each water bottle costs 5 dollars. The pencils, however, have a buy 2 get 1 free sale. Each pencil is 1 dollar 75 cents. How many dollars do I need to spend to get all my supplies?

19. _____ What is the closest integer to this fraction?

$$\frac{90}{13}$$

20. _____ A prime is a number that is only divisible by 1 and itself. How many distinct

prime factors does 210 have?