

### Speed Round

1. 15      What is the sum of the first 5 positive integers?
2. 200      What is  $2 \times (109 - 9)$
3. 25      What is the area of a square with side length 5
4. 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. 250      What is  $(1+11+21+31+41)+(9+19+29+39+49)$ ?
6. 20      If  $5a = 100$  what is the value of a?
7. 5      What is the remainder when 201 is divided by 7?
8. 1      What is  $\frac{3}{8} + \frac{5}{8}$ ?
9. 10      How many ways are there to pick a colored ball from a tub with 10 different colored balls?
10. 100      What is the sum of the first 10 positive odd numbers?
11. 12      Solve:

$$\text{😊} + \text{😐} = 13$$

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

$$\text{😐} + \text{😐} = ?$$

12. 5040      What is  $1 \times 2 \times 3 \times 4 \times 5 \times 6 \times 7$ ?
13. 2198      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

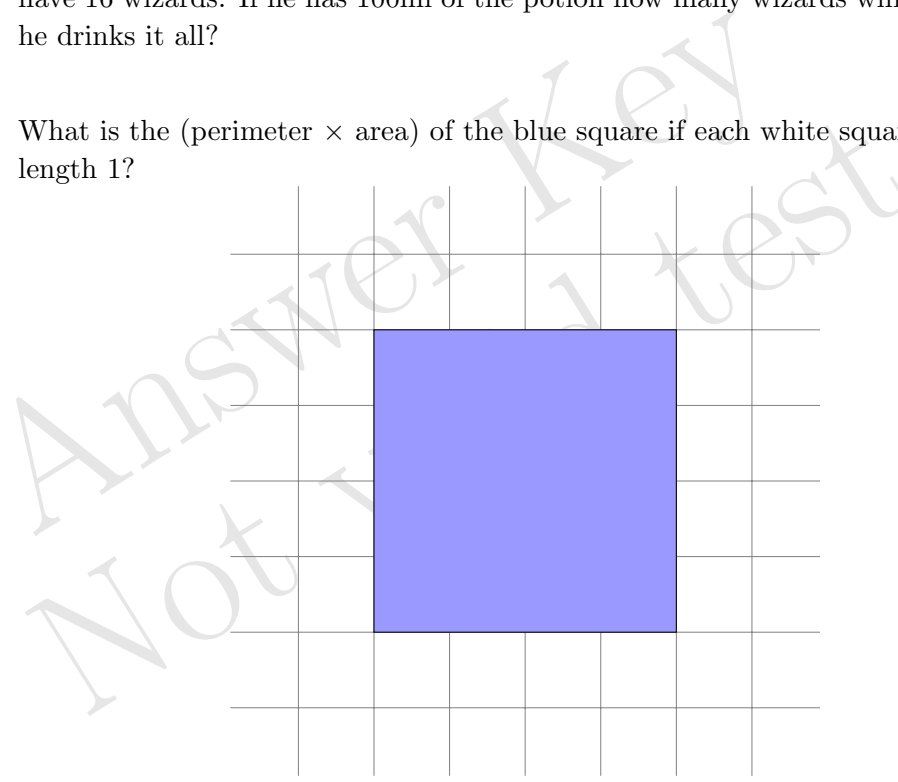
everyday, seven of them eat 10 fruits everyday, and four of the friends eat 25 fruits each day. How many total fruits do the 45 parrots eat in total in a whole week?

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

15. 9 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. 1024 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. 256 What is the (perimeter  $\times$  area) of the blue square if each white square has side length 1?



18. 20 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. 7 What is the closest integer to this fraction?

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

20. 4 A prime is a number that is only divisible by 1 and itself. How many distinct prime factors does 210 have?

Answer Key  
Not valid test