VIOLYMPIC ROUND 10 – MATH 4
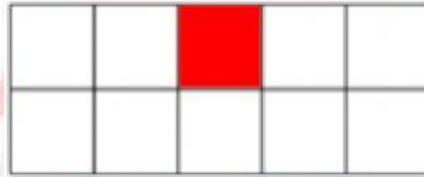
(Bài ôn luyện Violympic toán tiếng Anh cấp quốc gia – 05)

Part I: Multiple choices question.

Question 1: Find x such that: $x \div 50 = 302$

A. 15100   B. 15110   C. 15001   D. 15010

Question 2: What fraction of the figure is red?

A. $\frac{1}{5}$ B. $\frac{1}{9}$ C. $\frac{1}{10}$ D. $\frac{1}{8}$

Question 3: How many thousands are there in two millions?

A. 20   B. 2   C. 2000   D. 200

Question 4: The area of a parallelogram is 16 square metres. The base of the parallelogram is 8 metres. What is the hieght, in metres, of the parallelogram?

A. 2   B. 24   C. 8   D. 128

Question 5: Which number if three hundred three million, thirty-three thousands, three in standard form?

A. 303,033,003   B. 330,303,003   C. 300,333,003   D. 300,303,033

Question 6: Which of the following numbers is not divisible by 3?

A. 749   B. 456   C. 123   D. 369

Question 7: How many minutes in 60 hours?

A. 360   B. 3600   C. 1200   D. 120

Question 8: Each oven can bake on pizza in 15 minutes. How many pizzas can all four ovens bake in 2 hours?

A. 40   B. 30   C. 32   D. 120

Question 9: March 28 in a some year was a Friday. What day of the week was March 18 in a same year?

    A. Friday   B. Tuesday   C. Monday   D. Sunday

Question 10: Sofia has a rectangular garden that has an area of 24 square metres. If the length of the graden is 2 metres what is the width in centimeters?

    A. 8   B. 12   C. 120   D. 6

Question 11: How many tens are there in 1000?

    A. 10tens   B. 1000tens   C. 100tens   D. 90tens

Question 12: Fill the number in the blank: 3 days 12 hours = _____ hours

    A. 72   B. 84   C. 82   D. 92

Question 13: Fill the number in the blank:

$$\frac{4}{6} = \frac{\Box}{24}$$

    A. 8   B. 12   C. 16   D. 20

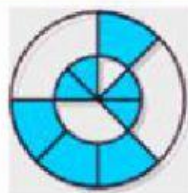**Question 14:** The sum of two numbers is 690 and thier difference is 660. The larger number is...

    A. 15   B. 675   C. 690   D. 660

Question 15: Calculate: $(100 - 1) \times (100 - 2) \times ... \times (100 - 99) \times (100 - 100)$

    A. 0   B. 100000   C. 9900   D. 990

Part 2: Short answer:

Question 1: What fraction of the circle if colored?

Answer: _____

Question 2: In a restaurant, there are 17 tables, each with 3, 4 or 6 chairs. The tables with 3 or 4 chairs can accommodate 44 people. The restaurant can accommodate 74 people. How many tables are there with 3 chairs?

Answer: _____

Question 3: Given the sequence number: 79, 74, 69, 64, ...What is the next number?

Answer: _____

Question 4: Given the sequence number; 640, 320, 160, 80,... . What is the next number?

Answer: _____

Question 5: A men bought 20 books. Some cost $18 each and the others cost $3. If he spent $210 in all, how many of the $3 books did he buy?

Answer: _____

Question 6: If $a + b = 15$ then the value of expression $\overline{a2b5} + \overline{b5a2}$ is ___

Question 7: The smallest distint 5-digit number divisible 3 and 5 is_____

Question 8: The average of two consecutive even number is 683.

The smaller number is_____

Question 9: Each batch of 48 Chirstmas cookies that Cokkies Monster makes takes 20 minutes in the oven. If the oven if on for 3 hours and 55 minutes (included 15 minutes for preheating) How many cookies did Cookie Monster make?

Answer: _____

Question 10: According to the pattern shown below, how many squares are there in the 2022nd figure?
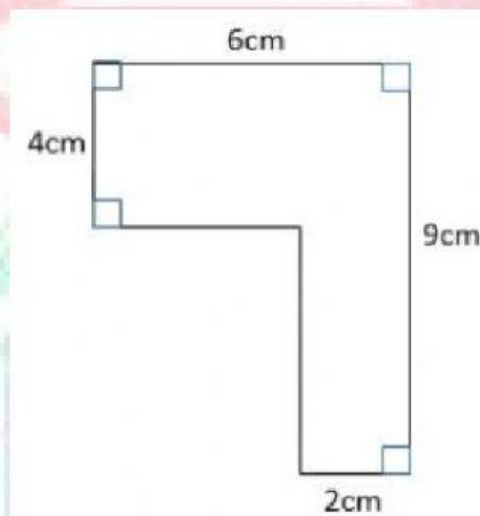
Figure 1   Figure 2   Figure 3

Answer: _____

Question 11: A square measures 30cm by 30cm. A rectangular is 7cm longer and 2cm narowwer than the square. What is the difference in area between the two shapes?
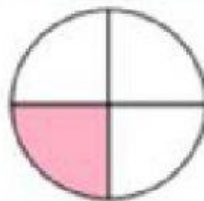
Answer: _____cm^2

Question 12: The area of the figure below is _____cm^2

Question 13: What is the largest 3-digit number that is divisible by 5?

Answer: _____

Question 14: What fraction of this circle is coloured?

Answer: _____

Question 15: The perimeter of the parallogram below is _____cm.

8 cm

15 cm