"Elite Maths Challenge Cup"
International Mathematics Competition

Primary 4
Mock Paper
Time allowed: 20 minutes

| Registration Number	
Name	
Score (Marker Only)	

"Elite Maths Challenge Cup"
International Mathematics Competition
## Primary 4 – Mock Paper

Note: There are 20 questions in total, with a full mark of <u>200 points</u>.

Part A: Multiple Choices Questions (10 questions, 5 points each)

1. (   ) Calculate：$6666 \times 8888 \div (4444 \times 3333) = ?$
    A. 1111   B. 2222   C. 2   D. 4

2. (   ) Given：$\bigcirc + \square = 24$，$\square = \bigcirc + \bigcirc$，then：$\square - \bigcirc = ?$
    A. 4   B. 6   C. 8   D. 16

3. (   ) Four children, A, B, C, and D, each measured an isosceles triangle. Which measurement is incorrect?
    A. Side length: 2.5 cm, Base length: 5.5 cm.
    B. Side length: 1.8 cm, Base length: 3.3 cm.
    C. Side length: 3.2 cm, Base length: 6 cm.
    D. Side length: 6.7 cm, Base length: 3.2 cm.

4. (   ) Which figure below represents 0.4?
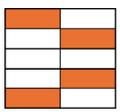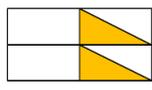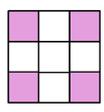
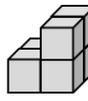

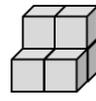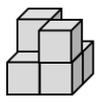A   B   C   D

5. (   ) Which of the following calculations has a result closest to "1"?

    A. $0.35 + 0.85$ B. $\frac{8}{10} + \frac{9}{10}$ C. $4.89 - 4.69$ D. $\frac{99}{100} - \frac{3}{100}$

6. (   ) Which object looks like four squares when viewed from the front, top, and left side?
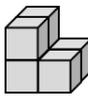
A   B   C   D

7. (   ) Define ◎ as a new operation symbol, where A◎B = (A - B) ÷ 2. Find the value of 3◎(6◎4).
    A. 0   B. 1   C. 2   D. 3

8. (   ) Without folding, if you cut a parallelogram paper with only one cut, which of the following shapes cannot be obtained?
    A. One trapezoid and one triangle.   B. Two trapezoids.
    C. Two triangles.   D. One rectangle and one triangle.

9. (   )   Find the perimeter of the figure below.
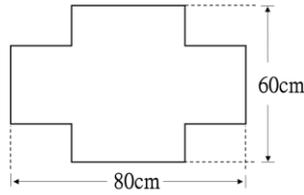
60cm

80cm

   A.   140cm   B.   260cm   C.   280cm   D.   320cm

10. (   )   Mary plans to walk from home to the bookstore. It is known that Mary can walk 360 meters
             in 6 minutes, and the distance from Mary's home to the bookstore is 900 meters. At this
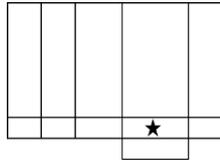   speed, how long will it take her to walk there?
             A.   5   B.   8   C.   12   D.   15

＊ Marker Only ＊

Part A	Score
5 points each	

Part B: Short-Answer Questions (5 questions, 10 points each)

11. Count the number of rectangles in the following diagram that contain a black star.

                                                                    Answer : (   )

12. A number is multiplied by 4, then 10 is added, then divided by 7, and finally 3 is added.
    The result is 9. What is the number?   Answer : (   )

13. This year, the mother is 38 years old, and her son is 8 years old. In how many years will the
    mother's age be 4 times her son's age?   Answer : (   )

14. Mary has 100 stamps. After giving 20 stamps to Jack, she still has 40 more stamps than Jack.
    How many stamps did Mary originally have?   Answer : (   )

15. Buying 3 thermoses and 5 teacups costs 270 dollars. Buying 4 thermoses and 7 teacups costs 365
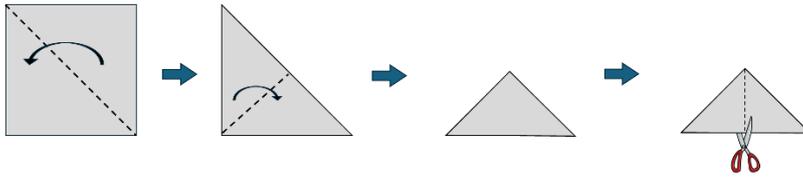   dollars. How much does one teacup cost?

                                                                  Answer : (   )

＊ Marker Only ＊

Part B	Score
10 points each	

Part C: Challenging Questions (5 questions, 20 points each.)

16. Fold a square piece of paper twice as shown in the diagram below, then fold it in half again. Cut along the fold line. How many small square pieces of paper will you get?
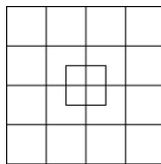
Answer : (   )

17. In a race between a tortoise and a rabbit, the tortoise starts 100 minutes earlier than the rabbit. The tortoise crawls 3 meters per minute, and the rabbit runs 33 meters per minute. How long after the rabbit starts will it catch up to the tortoise?

Answer : (   )

18. How many squares are there in the following diagram?

Answer : (   )

19. The product of three consecutive natural numbers is 120. What is their sum?   Answer : (   )

20. There is a two-digit number. The units digit is 3 times the tens digit. If we add 7 to this two-digit number, the units digit and the tens digit will be the same. What is this two-digit number?

Answer : (   )

＊ Marker Only ＊

Part C	Score
20 points each	

_____END OF PAPER_____