"Elite Maths Challenge Cup"
International Mathematics Competition

Primary 2
Mock Paper
Time allowed: 40 minutes

Registration Number	
Name	
Score (By Marker)	

"Elite Maths Challenge Cup"
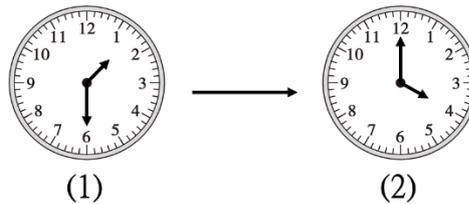# International Mathematics Competition
Primary 2 – Mock Paper

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：$231-165+165-230+179=$?

　　A. 100　　　　B. 180　　　　C. 190　　　　D. 200

2. (　　) How much time has passed between clock (1) and clock (2) in the image below?

(1)　　　　　　　　(2)

　　A. 1 hour and 30 minutes　　　　B. 2 hours and 30 minutes
　　C. 3 hours　　　　　　　　　　　D. 3 hours and 30 minutes

3. (　　) What is the largest possible value inside □?

$$22 > \boxed{} - 10$$
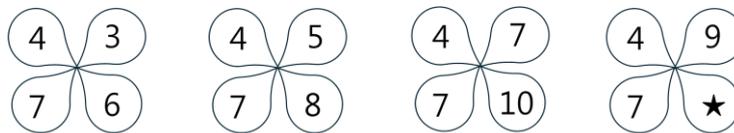
　　A. 11　　　　B. 21　　　　C. 31　　　　D. 36

4. (　　) Find the number in (?).
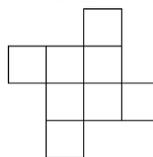
$$17+1-（?）+2=12$$

　　A. 6　　　　B. 8　　　　C. 10　　　　D. 12

5. (　　) There is a pattern in the arrangement of the following numbers. According to the pattern, what number does ★ represents?

　　A. 8　　　　B. 10　　　　C. 12　　　　D. 14

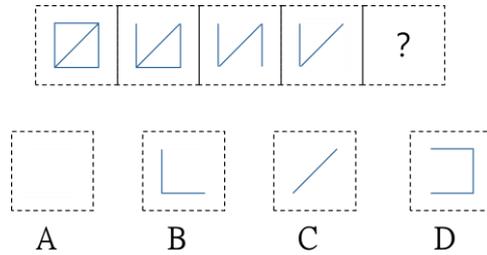6. (　　) How many squares are there in the following picture?

　　A. 8　　　　B. 9　　　　C. 10　　　　D. 11

7. (　　) A dozen eggs exactly fill one carton. Mom bought 3 cartons. How many eggs are there in total?

　　A. 24　　　　B. 30　　　　C. 36　　　　D. 45

8. (   ) Mary will be 11 years old in 5 years. How old is she this year?

     A.   5 years old   B.   6 years old   C.   8 years old   D.   11 years old

9. (   ) Observe the pattern in the figures and select an appropriate one?

     A   B   C   D

10. (   ) A rope is 8 meters long. If it is cut into 2-meter-long pieces, how many pieces can be cut?

     A.   3   B.   4   C.   6   D.   8

＊ Marker Only ＊

Part A 5 points each	Score

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

11. As we know：$\star + \star + \diamondsuit + \diamondsuit = 24$，$\star + \diamondsuit + \diamondsuit = 14$，   Answer : (   )
what is the value of $\diamondsuit$?

12. What is the maximum number of people that can enter with three membership tickets?

     Answer :(   )

Bookstore
Sale Event Admission Ticket
This ticket allows 1 member to bring 3 friends
Please present your membership card upon entry
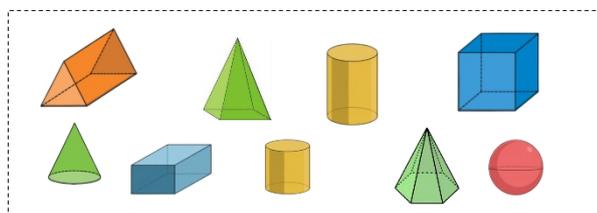Non-members require one ticket per person.

13. The library has 948 Chinese books. There are 372 fewer English books than Chinese books, and 75 fewer science books than English books. How many science books are there?

     Answer : (   )

14. How many line segments are there in the following diagram?

     A   B C   D   E   Answer : (   )
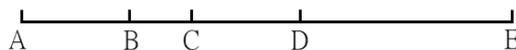
15. How many cones are there in the following 3D shapes?

     Answer : (   )

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

16. A bottle of juice weighs 350 grams with the bottle. After drinking half of the juice, the bottle and remaining juice weigh 200 grams. What is the weight of the bottle?

Answer :(   )

17. Today is February 25th, 2024. How many days are left until the expiration date of the coupon shown in the picture below?

Answer :(   )

STORES CITY

Spend NT$300 or more to use as NT$50

Valid date:13-2-2024 to 13-3-2024

Coupon
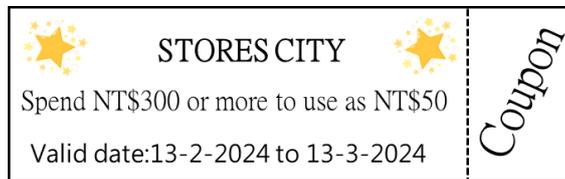
18. In the following equation, each letter represents a different number.
Find the value of each letter:

```
    X Y Z
    Y Z X
  + Z X Y
  ───────
    7 7 7
```

X = (   )
Y = (   )
Z = (   )

19. After using 45 red crayons, 218 are left. There were originally 105 fewer red crayons than yellow crayons. How many crayons are there in total now?

Answer :(   )

20. What number should be filled in the place of the question mark?
Given: $☆ × 9 = 3 × ◎$, $◎ = △ + △ + △$, then: $☆ = △ × \underline{?}$

Answer : (   )

-------------------------------- END OF PAPER --------------------------------