

# PAPER A



## SEAMO

Southeast Asian  
Mathematical  
Olympiads

SAMPLE

DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED.

STUDENT'S NAME:

Read the instructions on the **ANSWER SHEET** and fill in your **NAME, SCHOOL** and **OTHER INFORMATION**.

Use a 2B or B pencil.

Do **NOT** use a pen

Rub out any mistakes completely.

You **MUST** record your answers on the **ANSWER SHEET**.

## LOWER PRIMARY

Mark only **ONE** answer for each question.

Marks are **NOT** deducted for incorrect answers.

### SECTION A

Use the information provided to choose the **BEST** answer from the five possible options.

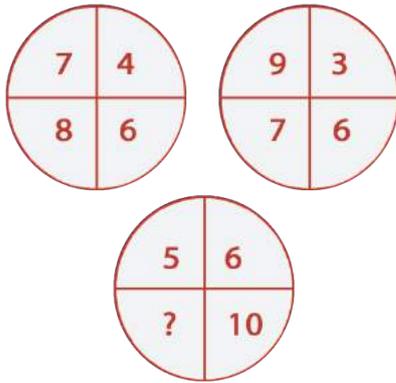
On your **ANSWER SHEET** fill in the oval that matches your answer.

### SECTION B

On your **ANSWER SHEET** fill in your answer within the box provided.

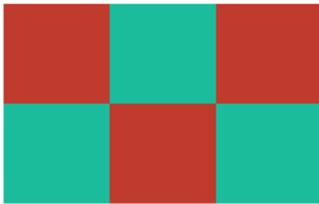
You are **NOT** allowed to use a calculator.

1. Find the missing number.



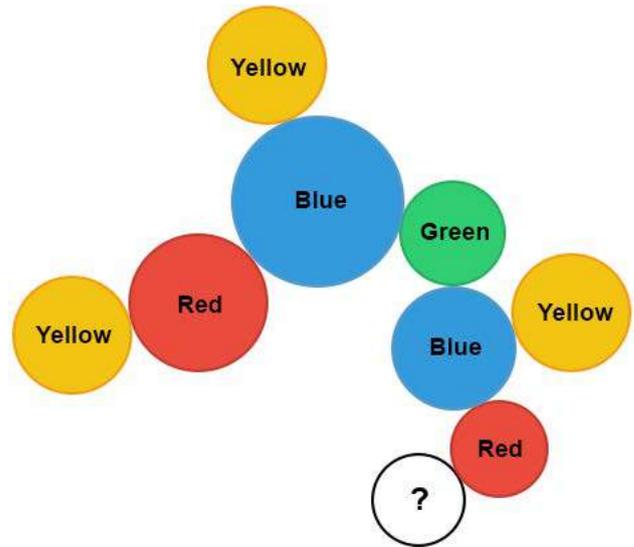
- (A) 2
- (B) 3
- (C) 4
- (D) 5

2. How many squares are there in the figure below?



- (A) 6
- (B) 8
- (C) 10
- (D) 12

3. What colour is the circle marked with a question mark?



- (A) Red
- (B) Blue
- (C) Green
- (D) Yellow

4. Minh has two 12¢ stamps and two 50¢ stamps. How many different values of postage can he make?



- (A) 5
- (B) 6
- (C) 7
- (D) 8

**QUESTION 5 IS FREE RESPONSE**

**Write your answer in the boxes provided on the ANSWER SHEET and fill in the ovals that match your answer.**

5. Shaun can skate 120 *meters* in a minute. Peter can skate 100 *meters* in a minute. If Peter had a head start of 100 *meters*, how long will Shaun take to catch up to him?



**END OF PAPER**

QUESTION	ANSWER	SOLUTION	TOPIC	DIFFICULTY
1	C	Circle 1: $7 + 4 + 8 + 6 = 25$ Circle 2: $9 + 3 + 7 + 6 = 25$ Circle 3: $5 + 6 + \square + 10 = 25$ The missing value is 4.	Number Pattern	Easy
2	B	There are 6 small squares and 2 big squares.	Counting	Easy
3	D	Yellow always touches only one circle.	IQ	Medium/Hard
4	D	1 <sup>st</sup> Value: 12¢ 2 <sup>nd</sup> Value: 12¢ + 12¢ 3 <sup>rd</sup> Value: 12¢ + 12¢ + 50¢ 4 <sup>th</sup> Value: 12¢ + 12¢ + 50¢ + 50¢ 5 <sup>th</sup> Value: 50¢, 6 <sup>th</sup> Value: 50¢ + 12¢ 7 <sup>th</sup> Value: 50¢ + 50¢ 8 <sup>th</sup> Value: 50¢ + 50¢ + 12¢	Logic	Medium
5	5 min	Distance to catch up $\rightarrow 100\ m$ Difference in speed $\rightarrow 120 - 100 =$ $20\ m/min.$ $100 \div 20 = 5\ min$	Simple Speed	Medium

**Level of difficulty** refers to the expected level of difficulty for the question.

<b>Easy</b>	more than 75% of candidates will choose the correct option
<b>Medium</b>	about 50–75% of candidates will choose the correct option
<b>Medium/Hard</b>	about 25–50% of candidates will choose the correct option
<b>Hard</b>	less than 25% of candidates will choose the correct option