PAPER K

SEAMO
Southeast Asian
Mathematical
Olympiad
2024

KINDERGARTEN

DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED.

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**.

Mark only **ONE** answer for each question.
Marks are **NOT** deducted for incorrect answers.

QUESTIONS 1 TO 10
Use the information provided to choose the **BEST** answer from the five possible options.
On your **ANSWER SHEET** shade the option that matches your answer.

QUESTIONS 11 TO 15
On your **ANSWER SHEET** write your answer within the box provided. Units are not required.

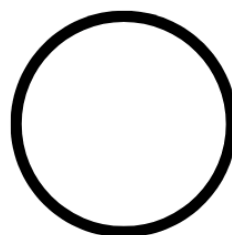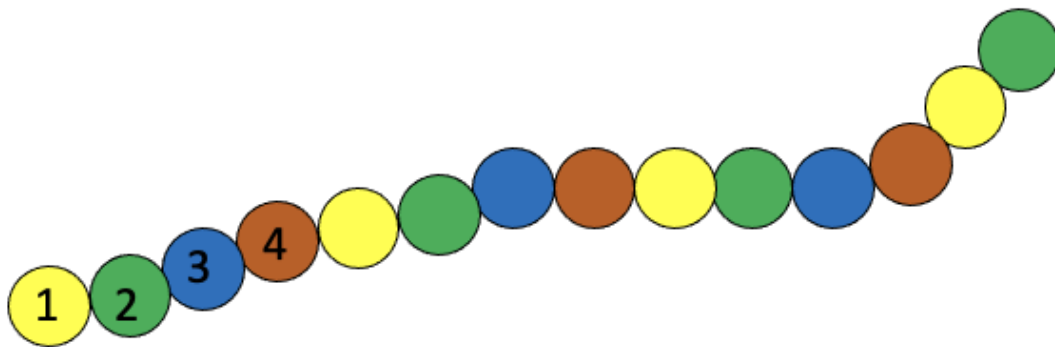You are **NOT** allowed to use a calculator.

1.

5	2	2
6	1	2
7	2	?

① 0   ② 1   ③ 2

Answer: ◯

2.

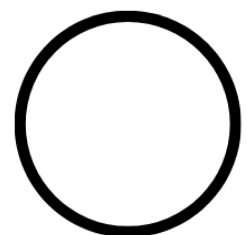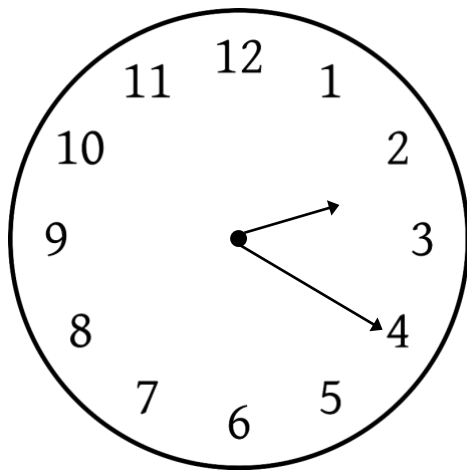What colour is the 22nd bead?

① Yellow   ② Green   ③ Blue
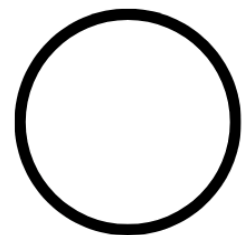
Answer:

3.

① 2.20 pm   ② 2.15 pm   ③ 4.10 pm

Answer:

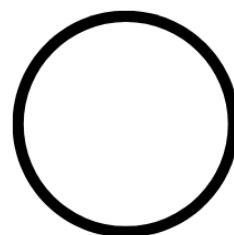4.

$\square$ + 5 + 3 = 13

$\bigcirc$ + 4 + 2 = 9
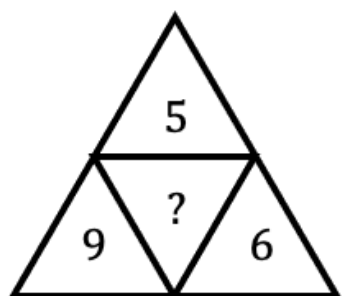
$\square$ + $\bigcirc$ = ?

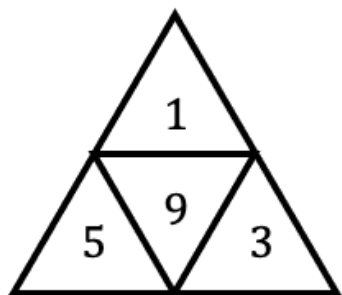① 6   ② 7   ③ 8

Answer: $\bigcirc$

5. What is the missing number?

1

9

5   3

3

17

10   4

5

?

9   6
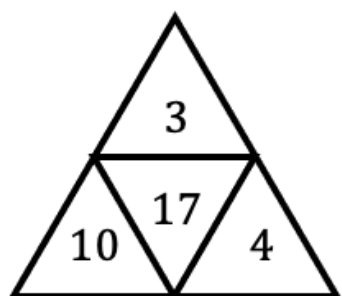
① 18   ② 19   ③ 20
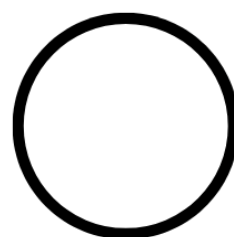
Answer:

6.
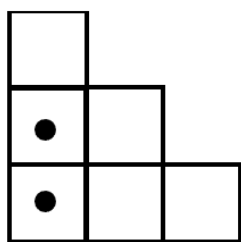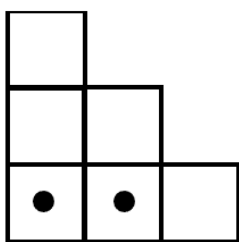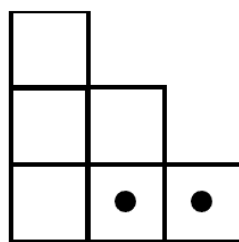
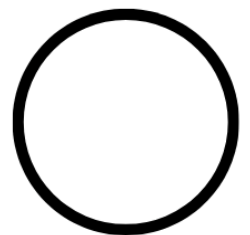
4   **10**   **18**

?
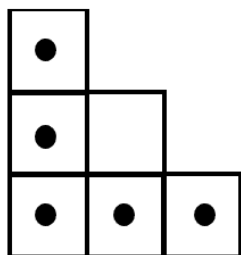
① 20   ② 22   ③ 24
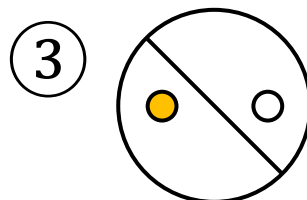
Answer:
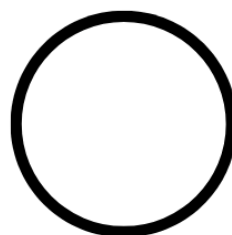
7. $2 + 4 + 6 + 8 + 10 + 12$
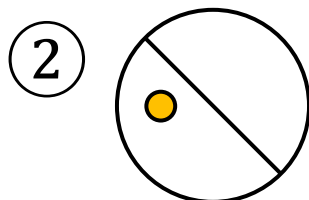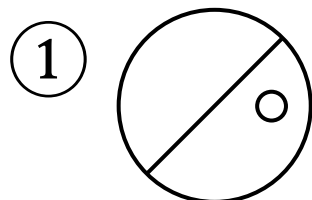
   $= ?$

   ① 38   ② 40   ③ 42

Answer: ◯

8.

Answer:

9.

① ② ③

Answer:

10.

①   ②   ③
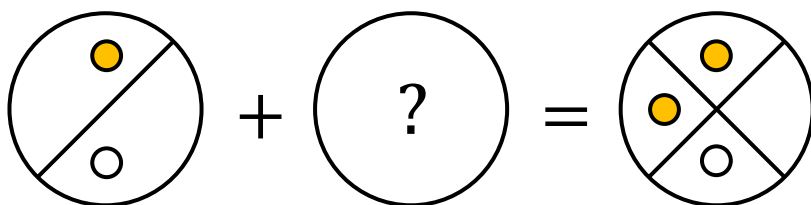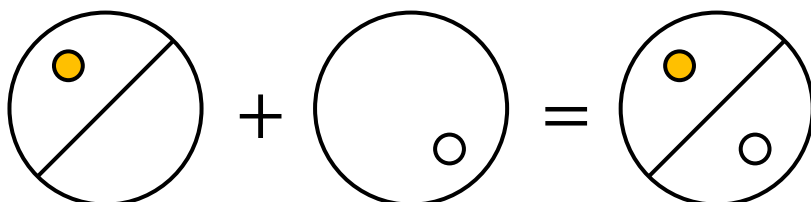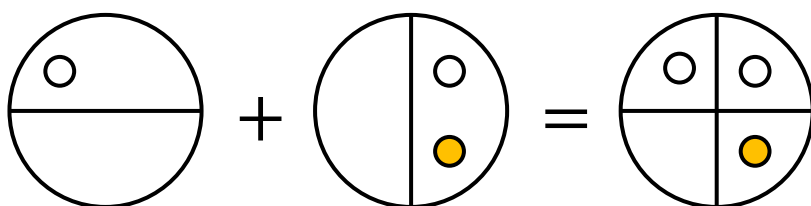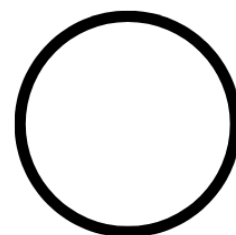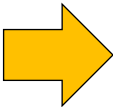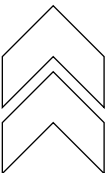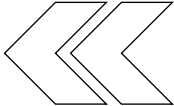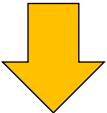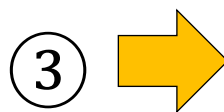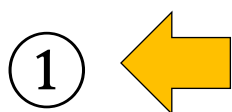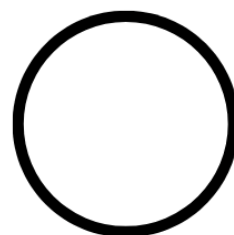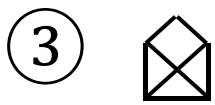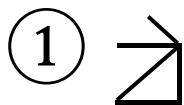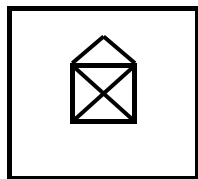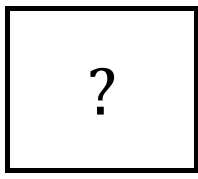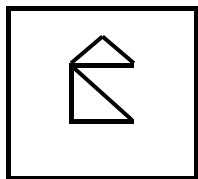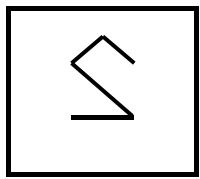
Answer: ◯

11. What is the missing number?

Triangle 1 — top: 6, bottom-left: 5, bottom-right: 4

Triangle 2 — top: 1, bottom-left: 2, bottom-right: 3

Triangle 3 — top: 1, bottom-left: 2, bottom-right: 1

Triangle 4 — top: 2, bottom-left: 1, bottom-right: ?
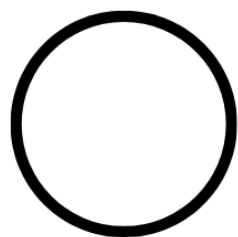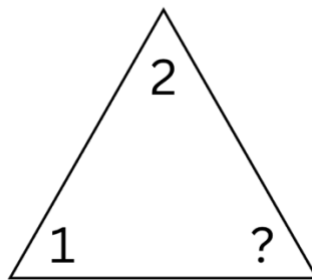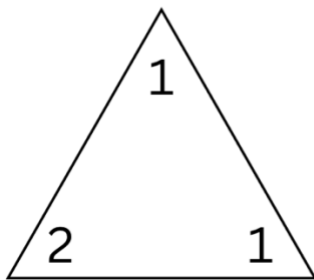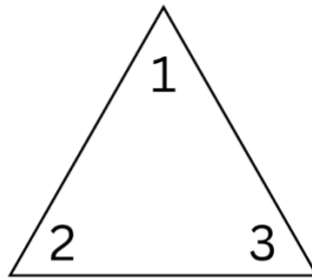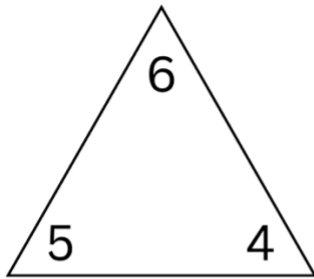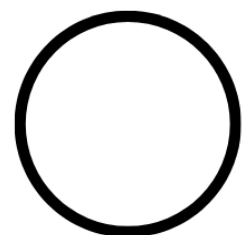
Answer: ◯

12. What is the missing number?

(2) (5) (10) (?)

Answer: ( )
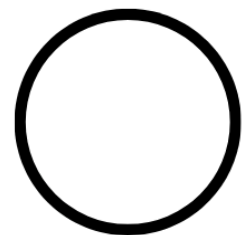
13. What is the missing number?

6

3   5

1

4   2

?
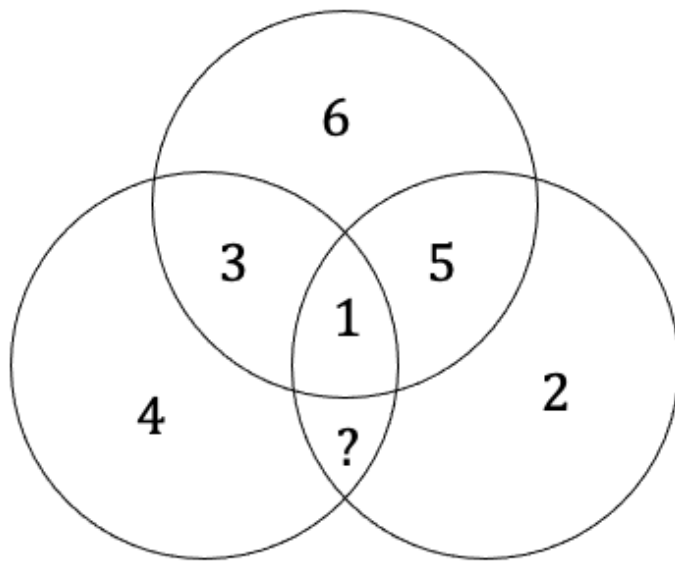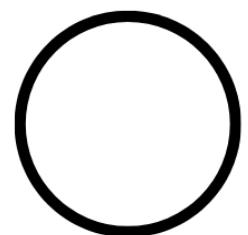
Answer: ◯

14.
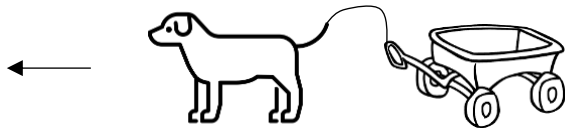
1 minute → 12 cm

2 minutes → 24 cm

...

...

5 minutes → ? cm
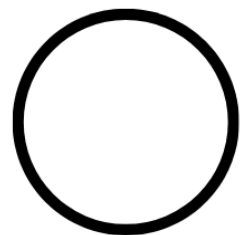
Answer: ◯
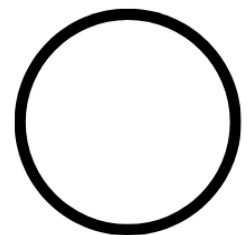
15. How many triangles?
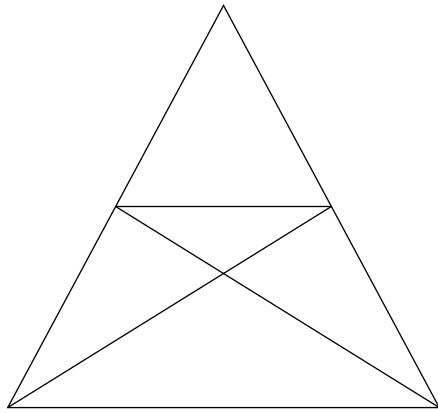
Answer: ◯

SEAMO 2024

Paper K – Answers

Multiple-Choice Questions

Questions 1 to 10 carry 3 marks each.

Q1	Q2	Q3	Q4	Q5
1	2	1	3	3

Q6	Q7	Q8	Q9	Q10
2	3	2	1	2

Free-Response Questions

Questions 11 to 15 carry 4 marks each.

Q11	Q12	Q13	Q14	Q15
2	17	7	60	12