

Practice  
Questions



# INTERNATIONAL COMPETITIONS AND ASSESSMENTS FOR SCHOOLS MATHEMATICS

**STUDENT'S NAME:**

---

**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**.

---

There are **3 MULTIPLE-CHOICE QUESTIONS** (1–3).

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

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

---

There is **ONE FREE-RESPONSE QUESTION** (4).

Write your answer in the box provided on the **ANSWER SHEET**.

---

Your score will be the number of correct answers.

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

---

You may use a ruler and spare paper.

A **CALCULATOR** is required.

PLEASE SEE BACK COVER FOR A LIST  
OF THE YEAR LEVELS THAT SHOULD  
SIT THIS PAPER



## TO ANSWER THE QUESTIONS

### MULTIPLE CHOICE

Questions 1 to 3.

**Example:**  $4 + 6 = ?$

- (A) 2
- (B) 9
- (C) 10
- (D) 24

The answer is 10, so fill in the oval  as shown.

- (A)    (B)    (C)    (D)

### FREE RESPONSE

Question 4.

**Example:**  $6 + 6 = ?$

- The answer is 12, so WRITE your answer in the boxes.
- Write only ONE digit in each box as shown.

	1	2
--	---	---



## START

1  (A)    (B)    (C)    (D)

2  (A)    (B)    (C)    (D)

3  (A)    (B)    (C)    (D)

4 

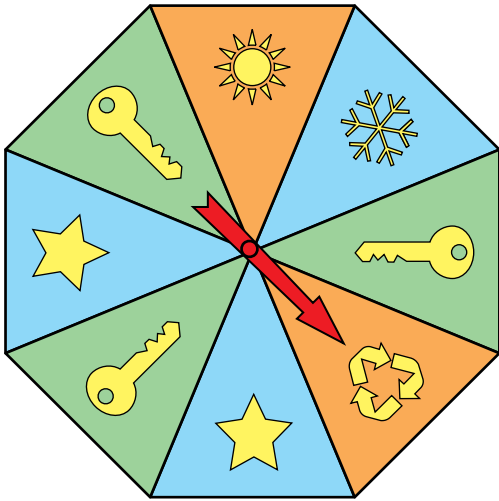
--	--	--

## INTERNATIONAL COMPETITIONS AND ASSESSMENTS FOR SCHOOLS MATHEMATICS

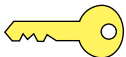



Your privacy is assured as EAA fully complies with appropriate Australian privacy legislation. Visit [www.eaa.unsw.edu.au](http://www.eaa.unsw.edu.au) for more details.



1. Alan uses this spinner in a game.



On which symbol is the arrow most likely to stop?

- (A)  (B)  (C)  (D) 

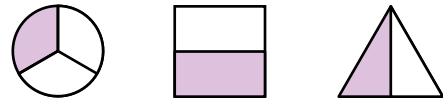
2. A snail travelled 1.5 metres in 4 hours.



If the snail continued at the same speed, how far would it travel in 160 minutes?

- (A) 60 cm  
 (B) 100 cm  
 (C) 150 cm  
 (D) 600 cm


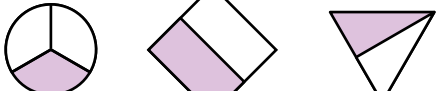
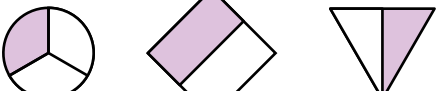

3. Here is the first unit in a pattern of shapes.



To make the next unit of the pattern, each shape is rotated about its centre as indicated in the table.

Shape	Direction of rotation	Amount of rotation
Circle	anticlockwise (to left)	120°
Square	clockwise (to right)	45°
Equilateral triangle	clockwise (to right)	60°

What is the third unit in this pattern?

- (A) 
- (B) 
- (C) 
- (D) 

4. This is how the ancient Egyptians wrote a particular fraction.



The symbol has been used in this equation.

$$1\frac{11}{15} - \text{symbol} \times \frac{2}{3} = 1\frac{2}{3}$$

What is the smallest positive number that could be the denominator of the fraction (the number that would go on the BOTTOM of the fraction)?

**(Write only the number on your answer sheet.)**

**END OF PAPER**

**THE FOLLOWING YEAR LEVELS  
SHOULD SIT FOR THIS PAPER:**

**AUSTRALIA:** Year 8  
**BRUNEI:** Form 2 & 3  
**INDONESIA:** Year 9  
**MALAYSIA:** Form 2  
**NEW ZEALAND:** Year 9  
**PACIFIC:** Year 8  
**SINGAPORE:** Sec 1  
**SOUTH AFRICA:** Grade 8



