



International Competitions and Assessments for Schools

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. Bub out any mistakes completely

You MUST record your answers on the ANSWER SHEET.

Mark only **ONE** answer for each question. Your score will be the number of correct answers. Marks are **NOT** deducted for incorrect answers.

MULTIPLE-CHOICE QUESTIONS:

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.

FREE-RESPONSE QUESTIONS: Write your answer in the boxes provided on the **ANSWER SHEET** and fill in the oval that matches your answer

You may use a ruler and spare paper. You are **NOT** allowed to use a calculator.

MATHEMATICS

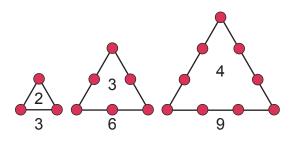
Educational Assessment

1. Maree shaded some squares on a grid. Image: state of the state of t	3. Laura has a lunch break of the second sec
 (A) 15 (B) 30 (C) 35 (D) 50 	 (A) half an hour (B) one hour and twenty minutes (C) one and a half hours (D) two and a half hours
 2. Sarah has \$5 to spend on lunch. <i>i i i i i i i i i i</i>	 4. What is the missing number in this number pattern? (A) 24 (B) 25 (C) 34 (D) 35

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. StudentBounty.com

5. Here is the start of a pattern.



The number below each triangle gives the total number of dots on the triangle.

The number inside the triangle gives the number of dots on each side of the triangle.

When the total number of dots on a triangle in this pattern is 72, how many dots are there on each of its sides?

Acknowledgment

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The following year levels should sit THIS Paper:

Australia	Year 6
Brunei	Primary 6
Hong Kong	Primary 6
Indonesia	Year 7
Malaysia	Standard 6
New Zealand	Year 7
Pacific	Year 6
Singapore	Primary 5
South Africa	Grade 6





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PAPER

HOW TO FILL OUT THIS SHEET:

- USE 2B OR B PENCIL
- · Rub out all mistakes completely.
- Print your details clearly in the boxes provided.
- · Make sure you fill in only one oval in each column.

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FIRST NAME to appear on certificate LAST NAME to appear on certificate \frown **E E E E E E E E E E E E E** E **E** E E E E E E E E E E E E E E E E E E E) (J K) W NN 000 \textcircled

Are you male	or female?
Male	Female



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Does anyone in your home usually speak a language other than English? ○ Yes O No

School name:

TO ANSWER THE QUESTIONS

MULTIPLE CHOICE

6 + 4 =	
(A) (B)	2 9
	(A)

START (C) 10 (D) 24

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

A B 🔵 D

D **1** (A) B C **2** (A) B C D 3 A B C D **4** (A) B C D

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	2	2	2
	3	3	3
	4	4	4
	5	5	5
	6	6	6
	7	7	7
	8	8	8
	9	9	9

FREE RESPONSE Example: 6+6= • The answer is 12,

- The answer is 12, so <u>WRITE</u> your answer in the boxes.
- Write only <u>ONE</u> digit in each box, as shown, and fill in the correct oval, as shown.

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<u>RITE</u> your		1	2	1
ach box, correct oval,	0 0 0 0 0 0 0 0	0 • (2) (3) (4) (5) (6) (7) (8) (9) (9) (9) (9) (9) (9) (9) (9	© © 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

USE 2B OR B PENCIL

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QUESTION	KEY	SOLUTION	STRAND	OF TY
1	С	There are $10 \times 10 = 100$ squares. Half of 100 is 50. Maree has already shaded 15 so she needs to shade 35 squares more $(50 - 15 = 35)$.	Number and Arithmetic	OF TY Easy
2	А	<pre>\$5 (lunch money) - \$2.50 (sandwich) = \$2.50 remaining \$1.50 (juice) + \$0.65 (apple) = \$2.15, so there is \$0.35 change All other options require more than the initial \$5 lunch money.</pre>	Number and Arithmetic	Easy
3	С	From 11:50 am to 1:50 pm is one and a half hours. From 11:50 am to 12:50 pm there is one hour, then from 12:50 pm to 1 pm there are 10 minutes and from 1 pm to 1:20 pm there are 20 minutes. Altogether it is 1 hour and 30 minutes (1 hour + 10 minutes + 20 minutes).	Measurement	Easy
4	В	The triangles contain a number which is the sum of the numbers in the two preceding triangles. 2 + 7 = 9 and $7 + 9 = 16$. The missing number is $9 + 16 = 25$.	Algebra and Patterns	Medium
5	25	To solve this, find the pattern then test it on the examples given. Number of dots on each side = total number of dots \div 3 + 1 = 72 \div 3 + 1 = 25	Algebra and Pattern	Hard

Level of difficulty refers to the expected level of difficulty for the question.		
Easy	more than 70% of candidates will choose the correct option	
Medium	about 50–70% of candidates will choose the correct option	
Medium/Hard	about 30–50% of candidates will choose the correct option	
Hard	less than 30% of candidates will choose the correct option	

