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

Use a pencil. Do NOT use a coloured pencil or a pen.

Rub 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.

There are 4 MULTIPLE-CHOICE QUESTIONS (1–4).

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 1 FREE-RESPONSE QUESTION (5).

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

You may use a ruler and spare paper.

You are NOT allowed to use a calculator.
1. Maree shaded some squares on a grid.

How many more squares would Maree need to shade so that half of this grid was shaded?

(A) 15  
(B) 30  
(C) 35  
(D) 50

2. Sarah has $5 to spend on lunch.

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>orange juice</td>
<td>$1.50</td>
</tr>
<tr>
<td>salad sandwich</td>
<td>$2.50</td>
</tr>
<tr>
<td>bun</td>
<td>$2.00</td>
</tr>
<tr>
<td>apple</td>
<td>65c</td>
</tr>
</tbody>
</table>

If she buys one salad sandwich, which other two things could she buy?

(A) one orange juice and one apple  
(B) one orange juice and one bun  
(C) two orange juices  
(D) one apple and one bun

3. Laura has a lunch break from 11:50 am to 1:20 pm.

How long is Laura’s lunch break?

(A) half an hour  
(B) one hour and twenty minutes  
(C) one and a half hours  
(D) two and a half hours

4. What is the missing number in this number pattern?

2  7  9  16  ?  41  66

(A) 24  
(B) 25  
(C) 34  
(D) 35
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:

<table>
<thead>
<tr>
<th>Country/Region</th>
<th>Class/Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Year 6</td>
</tr>
<tr>
<td>Brunei</td>
<td>Primary 6</td>
</tr>
<tr>
<td>Hong Kong</td>
<td>Primary 6</td>
</tr>
<tr>
<td>Indian Subcontinent¹</td>
<td>Class 6</td>
</tr>
<tr>
<td>Indonesia</td>
<td>Year 7</td>
</tr>
<tr>
<td>Malaysia</td>
<td>Standard 6</td>
</tr>
<tr>
<td>Middle East²</td>
<td>Class 6</td>
</tr>
<tr>
<td>New Zealand/Pacific³</td>
<td>Year 7</td>
</tr>
<tr>
<td>Singapore</td>
<td>Primary 5</td>
</tr>
<tr>
<td>Southern Africa⁴</td>
<td>Grade 6</td>
</tr>
</tbody>
</table>

¹ Indian Subcontinent Region: India, Sri Lanka, Nepal, Bhutan and Bangladesh.
² Middle East Region: United Arab Emirates, Qatar, Kuwait, Saudi Arabia, Egypt, Bahrain, Oman, Turkey, Lebanon, Tunisia, Morocco, Libya, Algeria and Jordan.
³ Pacific Region: Vanuatu, Papua New Guinea and Fiji.
⁴ Southern Africa Region: South Africa, Botswana, Lesotho, Swaziland, Zimbabwe and Namibia.
HOW TO FILL OUT THIS SHEET:

1. Use a pencil.
2. Print your details clearly in the boxes provided.
3. Make sure you fill in only one oval in each column.
4. Rub out all mistakes completely.
5. Do not use a coloured pencil or pen.

### Example 1: Debbie Bach

<table>
<thead>
<tr>
<th>FIRST NAME</th>
<th>LAST NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Debbie</td>
<td>Bach</td>
</tr>
</tbody>
</table>

### Example 2: Chan Ai Beng

<table>
<thead>
<tr>
<th>FIRST NAME</th>
<th>LAST NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chan</td>
<td>Ai Beng</td>
</tr>
</tbody>
</table>

### Example 3: Jamal bin Abas

<table>
<thead>
<tr>
<th>FIRST NAME</th>
<th>LAST NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jamal</td>
<td>bin Abas</td>
</tr>
</tbody>
</table>

#### Details

**First Name** to appear on certificate

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>

**Last Name** to appear on certificate

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>

**Are you male or female?**

- [ ] Male
- [ ] Female

**Does anyone in your home usually speak a language other than English?**

- [ ] Yes
- [ ] No

**School name:**


**Town / suburb:**


**Today's date:** __/__/__  **Postcode:** __________

**DATE OF BIRTH** (optional)

<table>
<thead>
<tr>
<th>Day</th>
<th>Month</th>
<th>Year</th>
</tr>
</thead>
</table>

**STUDENT ID** (optional)

|   |   |   |

**CLASS** (optional)

|   |   |   |   |   |   |

**Some details**

- [ ] A
- [ ] B
TO ANSWER THE QUESTIONS

MULTIPLE CHOICE
Questions 1 to 4

Example: \(4 + 6 = \)
(A) 2
(B) 9
(C) 10
(D) 24

The answer is 10, so fill in the oval \(\square\), as shown.

FREE RESPONSE
Question 5

Example: \(6 + 6 = \)

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

USE A PENCIL
DO NOT USE A COLOURED PENCIL OR PEN
<table>
<thead>
<tr>
<th>QUESTION</th>
<th>KEY</th>
<th>SOLUTION</th>
<th>STRAND</th>
<th>LEVEL OF DIFFICULTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>C</td>
<td>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 ($50 - 15 = 35$).</td>
<td>Number and Arithmetic</td>
<td>Easy</td>
</tr>
<tr>
<td>2</td>
<td>A</td>
<td>$5 \text{ (lunch money)} - $2.50 \text{ (sandwich)} = $2.50 \text{ remaining}$ $$1.50 \text{ (juice)} + $0.65 \text{ (apple)} = $2.15$, so there is $$0.35 \text{ change}$ All other options require more than the initial $5 \text{ lunch money.}$</td>
<td>Number and Arithmetic</td>
<td>Easy</td>
</tr>
<tr>
<td>3</td>
<td>C</td>
<td>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).</td>
<td>Measurement</td>
<td>Easy</td>
</tr>
<tr>
<td>4</td>
<td>B</td>
<td>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 $9 + 16 = 25$.</td>
<td>Algebra and Patterns</td>
<td>Medium</td>
</tr>
<tr>
<td>5</td>
<td>25</td>
<td>To solve this, find the pattern then test it on the examples given. Number of dots on each side = total number of dots $\div 3 + 1$ $= 72 \div 3 + 1$ $= 25$</td>
<td>Algebra and Pattern</td>
<td>Hard</td>
</tr>
</tbody>
</table>

**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