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.

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.

STUDENT'S NAME:
1. Ava created a spreadsheet in order to track her school supply expenses.

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Item name</td>
<td>No of items</td>
<td>Cost per item</td>
<td>Subtotal</td>
</tr>
<tr>
<td>2</td>
<td>Notebooks</td>
<td>4</td>
<td>$1.50</td>
<td>$6.00</td>
</tr>
<tr>
<td>3</td>
<td>Pens</td>
<td>3</td>
<td>$1.00</td>
<td>$3.00</td>
</tr>
<tr>
<td>4</td>
<td>Pencil case</td>
<td>1</td>
<td>$3.00</td>
<td>$3.00</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td>TOTAL COST</td>
<td>$12.00</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td>Mean cost per item</td>
<td>$1.50</td>
</tr>
</tbody>
</table>

Cell D6 contains the total amount of money that Ava spent on her school supplies. What formula was used in cell D6 to calculate the TOTAL COST?

(A) =SUM(D2:D4)  (B) =SUM(C2:C4)  (C) =SUM(B2:B4)  (D) =SUM(B2:D4)
2. Rani wanted to use this photo as the background to the text in a word processing document.

We started our journey just after sunrise.

She opened the Format Picture dialogue box.

Which setting from the ‘Color’ menu in Image control should Rani select so that the text can be read over the picture, as shown in Photo 2?

(A) Automatic  (B) Grayscale  (C) Black & White  (D) Washout
3. Finn is creating a web page for a class project. These screenshots show Finn’s source code and web page.

```html
<html>
<head>
<title>First Web Page</title>
</head>
<body style="background: lightyellow">
<p>This is my first web page. I have had a <em>really</em> good time creating my first page.<br/></p>
<p>My teacher said: <strong style="color: purple">CONGRATULATIONS!</strong></p>
</body>
</html>
```

My First Web Page
This is my first web page. I have had a really good time creating my first page.
My teacher said: CONGRATULATIONS!

Why did Finn use the <em> command in the code?

(A) to move the text
(B) to indent the text
(C) to hyperlink the text
(D) to emphasise the text

4. Mia created this flow chart to help her develop a simple program for Mathematics.

X, T and N are variable names used to store numbers.

Which symbol on the flow chart below represents a decision?

(A) START
(B) INPUT X
(C) N = N - 1
(D) N = X
(E) T = X
(F) T = T * N
(G) IS N = 1?
(H) NO
(I) YES
(J) PRINT T
(K) END
Lily created an animation to use as a logo for a website.

Lily formatted the animation with a transparent background to prevent the webpage colour being obscured.

Which part of the animation frame represents the transparent areas?

(A) all the checked areas
(B) the outline of the guitar
(C) the checked areas inside the outline of the guitar
(D) the checked areas outside the outline of the guitar
TO ANSWER THE QUESTIONS

Example:

Using a computer to type a report is an example of

(A) emailing.
(B) a calculation.
(C) word processing.
(D) a computer game.

The answer is word processing, so you would fill in the oval C, as shown.

USE A PENCIL
DO NOT USE A COLOURED PENCIL OR PEN

START

1  
2  
3  
4  
5  

SAMPLE
<table>
<thead>
<tr>
<th>QUESTION</th>
<th>KEY</th>
<th>DESCRIPTION OF SKILL</th>
<th>AREA</th>
<th>LEVEL OF DIFFICULTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A</td>
<td>Identify the correct formula for calculating the total cost</td>
<td>5</td>
<td>Easy</td>
</tr>
<tr>
<td>2</td>
<td>D</td>
<td>Understand the use of the ‘washout’ colour setting</td>
<td>3</td>
<td>Medium</td>
</tr>
<tr>
<td>3</td>
<td>D</td>
<td>Understand the result of <code>&lt;em&gt;</code> code when designing websites.</td>
<td>4</td>
<td>Medium</td>
</tr>
<tr>
<td>4</td>
<td>D</td>
<td>Identify the symbol for a ‘decision’ in a flow chart</td>
<td>6</td>
<td>Medium</td>
</tr>
<tr>
<td>5</td>
<td>A</td>
<td>Understand the effect of a watermark on an animation cell</td>
<td>3</td>
<td>Hard</td>
</tr>
</tbody>
</table>

**LEGEND**

*Area* refers to the particular curriculum area or strand assessed by the question.

1. General Skills
2. Word Processing
3. Graphics/Multimedia
4. Internet/Email
5. Spreadsheets/Databases
6. Programming/Scripting

*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
<table>
<thead>
<tr>
<th>QUESTION KEY</th>
<th>DESCRIPTION OF SKILL AREA</th>
<th>LEVEL OF DIFFICULTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 AI</td>
<td>Identify the correct formula for calculating the total cost</td>
<td>Easy</td>
</tr>
<tr>
<td>2 D</td>
<td>Understand the use of the 'washout' colour setting</td>
<td>Medium</td>
</tr>
<tr>
<td>3 D</td>
<td>Understand the result of <code>&lt;em&gt;</code> code when designing websites.</td>
<td>Medium</td>
</tr>
<tr>
<td>4 D</td>
<td>Identify the symbol for a 'decision' in a flow chart</td>
<td>Medium</td>
</tr>
<tr>
<td>5 A</td>
<td>Understand the effect of a watermark on an animation cell</td>
<td>Hard</td>
</tr>
</tbody>
</table>

**LEGEND**

*Area* refers to the particular curriculum area or strand assessed by the question.

*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
ACKNOWLEDGMENT

Copyright in this booklet is owned by UNSW Global Pty Limited, unless otherwise indicated. Every effort has been made to trace and acknowledge copyright. UNSW Global Pty Limited apologises for any accidental infringement and welcomes information to redress the situation.

THE FOLLOWING YEAR LEVELS SHOULD SIT THIS PAPER:

Australia  Year 9
Brunei       Form 4
Hong Kong    Form 3
Indian Subcontinent¹ Class 9
Indonesia    Year 10
Malaysia     Form 3
Middle East² Class 9
New Zealand/Pacific³ Year 10
Singapore    Secondary 2
Southern Africa⁴ Grade 9

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.