

SAMPLE

PAPER

H



DIGITAL TECHNOLOGIES

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 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.

1. Ava created a spreadsheet in order to track her school supply expenses.

	A	B	C	D
1	Item name	No of items	Cost per item	Subtotal
2	Notebooks	4	\$1.50	\$6.00
3	Pens	3	\$1.00	\$3.00
4	Pencil case	1	\$3.00	\$3.00
5				
6			TOTAL COST	\$12.00
7				
8			Mean cost per item	\$1.50

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.



Photo 1

She opened the Format Picture dialogue box.

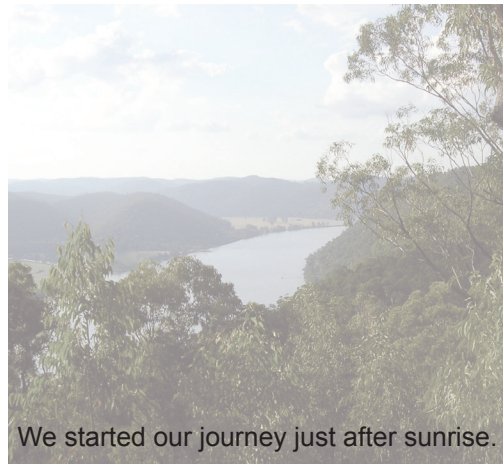
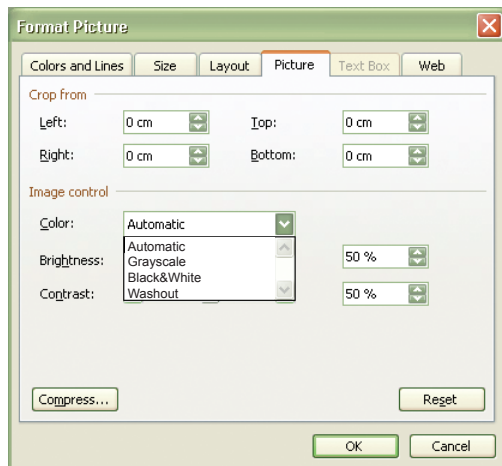


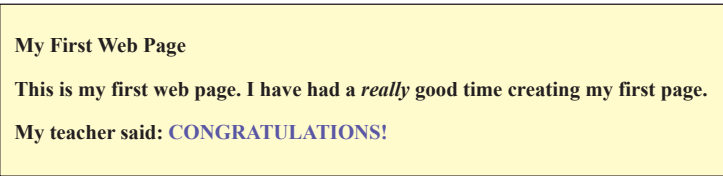
Photo 2

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.

```
1 <html>
2 <head>
3 <title> First Web Page </title>
4 </head>
5 <body style="background: lightyellow">
6 <p> My First Web Page </p>
7 <p> This is my first web page. I have had a <em> really </em> good time creating my first page.
8 </p>
9 <p> My teacher said: <strong style="color: purple"> CONGRATULATIONS! </strong> </p>
10 </body>
11 </html>
```



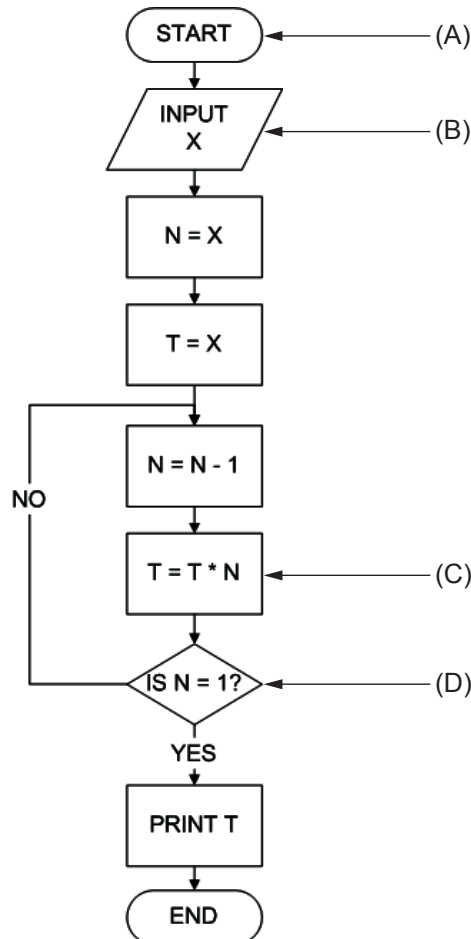
Why did Finn use the command in the code?

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

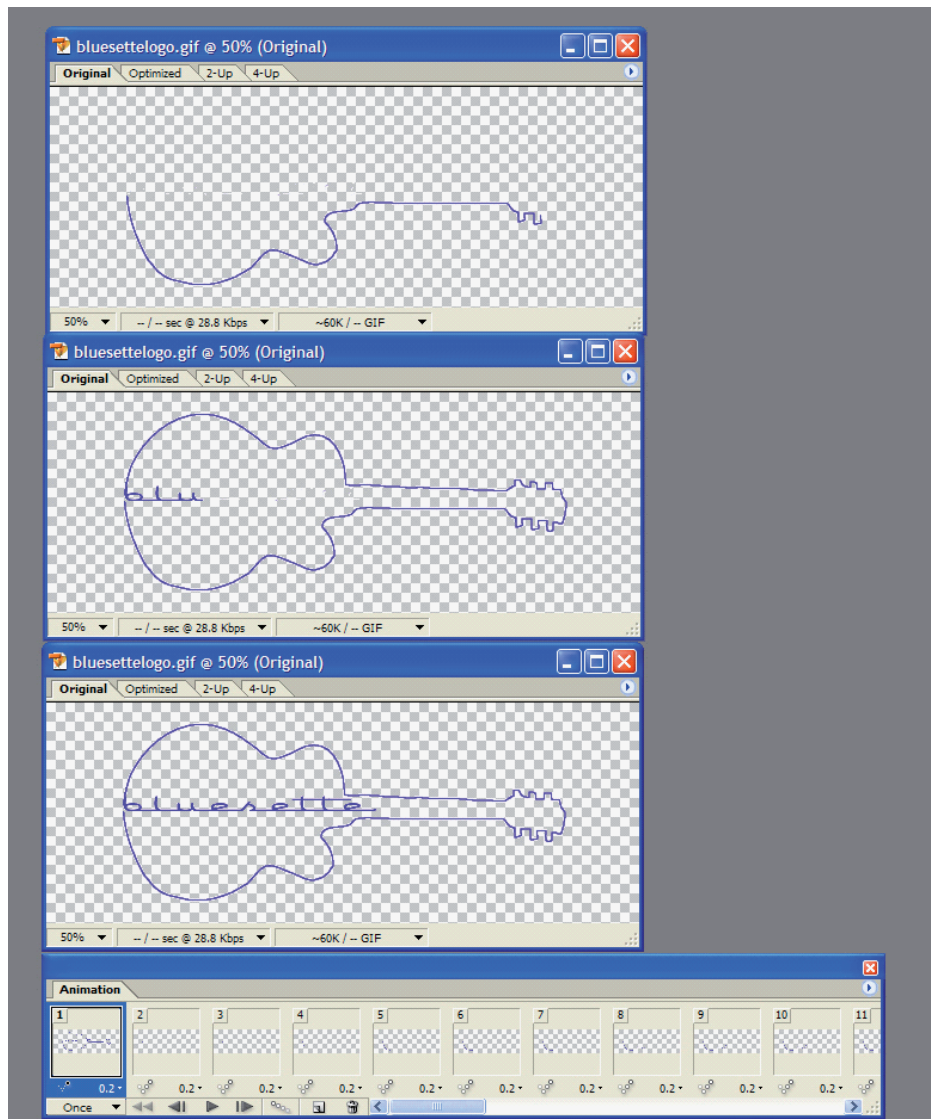
4. Mia created this flow chart to help her develop a simple program for Mathematics.

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

Which symbol on the flow chart below represents a decision?



5. 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

END OF PAPER

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.

A B C D



USE A PENCIL
DO NOT USE A COLOURED PENCIL OR PEN

START

- | | | | | |
|---|-------------------------|-------------------------|-------------------------|-------------------------|
| 1 | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D |
| 2 | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D |
| 3 | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D |
| 4 | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D |
| 5 | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D |

SAMPLE



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QUESTION	KEY	DESCRIPTION OF SKILL	AREA	LEVEL OF DIFFICULTY
1	A	Identify the correct formula for calculating the total cost	5	Easy
2	D	Understand the use of the 'washout' colour setting	3	Medium
3	D	Understand the result of code when designing websites.	4	Medium
4	D	Identify the symbol for a 'decision' in a flow chart	6	Medium
5	A	Understand the effect of a watermark on an animation cell	3	Hard

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 |

ACKNOWLEDGMENT

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THE FOLLOWING YEAR LEVELS SHOULD SIT THIS PAPER:

Australia	Year 10
Brunei	Form 5
Hong Kong	Form 4
Indian Subcontinent¹	Class 10
Indonesia	Year 11
Malaysia	Form 4
Middle East²	Class 10
New Zealand/Pacific³	Year 11
Singapore	Secondary 3
Southern Africa⁴	Grade 10

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.



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