





PRACTICE QUESTIONS



Mathematics

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 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.

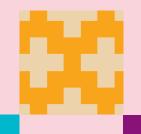
There are 5 MULTIPLE-CHOICE QUESTIONS (1-5).

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.

You may use a ruler and spare paper.

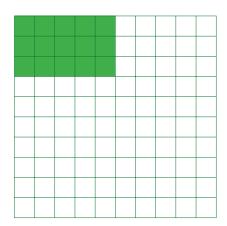
You are **NOT** allowed to use a calculator.



Note: Some UNSW Global assessments are only available online.



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.



orange juice \$1.50



salad sandwich \$2.50



bun \$2.00



apple 65c

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?

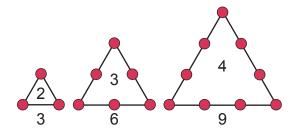


- (A) 24
- (B) 25
- (C) 34
- (D) 35

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.

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?

END OF PAPER

^{*} Free response questions are only applicable to some assessments.

THIS PAGE MAY BE USED FOR WORKING.	

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⊕ REACH ASSESSMENTS™





HOW TO FILL OUT THIS SHEET: USE A PENCIL

- Print your details clearly in the boxes provided.
- Make sure you fill in only <u>one</u> oval in each column.
- · Rub out all mistakes completely.
- Do not use a coloured pencil or pen.

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E	EXAMPLE 3: Jamal bin Abas													
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TO ANSWER THE QUESTIONS

MULTIPLE CHOICE

Questions 1 to 35

Example: 4 + 6 =

(A) 2

(B) 9

(C) 10

(D) 24

D

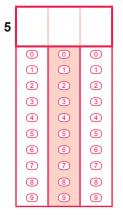
The answer is $\underline{10}$, so fill in the oval \bigcirc , as shown.



START

B

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











QUESTION	KEY	SOLUTION	STRAND	LEVEL OF DIFFICULTY
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	Easy
2	A	\$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.	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

THE FOLLOWING YEAR LEVELS SHOULD SIT THIS PAPER Australia¹ Year 6 **Brunei** Primary 6 **Egypt** Year 6 **Hong Kong** Primary 6 Indian Subcontinent² Class 6 Indonesia Year 7 Standard 6 Malaysia Middle East³ Class 6 Year 7 New Zealand/ Pacific4 **Singapore** Primary 5 Southern Africa5 Grade 6



- All international schools registered with UNSW Global (which have an 8-digit school code starting with 46) should sit the papers according to the Australian year levels.
- 2 Indian Subcontinent Region: India, Sri Lanka, Nepal, Bhutan and Bangladesh.
- Middle East Region: United Arab Emirates, Qatar, Kuwait, Saudi Arabia, Bahrain, Oman, Turkey, Lebanon, Tunisia, Morocco, Libya, Algeria, Jordan and Pakistan.
- 4 Pacific Region: Vanuatu, Papua New Guinea and Fiji.
- 5 Southern Africa Region: South Africa, Botswana, Lesotho, Swaziland, Zimbabwe and Namibia.



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