# PAPER B

## 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.
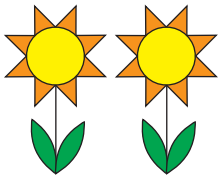
On your **ANSWER SHEET** fill in the oval that matches your answer.
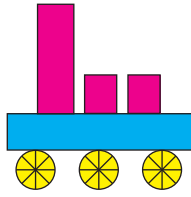
You may use a ruler and spare paper.
You are **NOT** allowed to use a calculator.

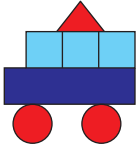*Note*: Some UNSW Global assessments are only available online.

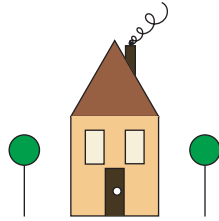1. Which picture has 3 squares and 2 circles in it?

(A)

(B)

(C)

(D)
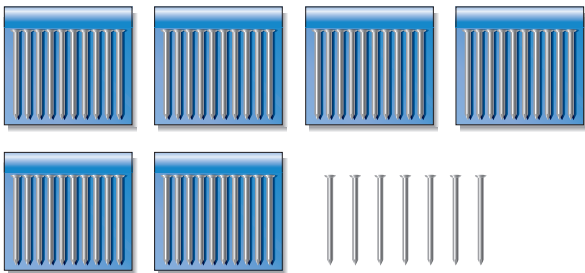
2. Which line is the longest?

(A) _____

(B) _____

(C) _____

(D) _____
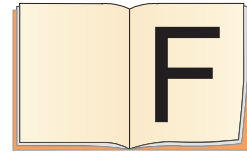
3. Steve has nails in packs of ten and some left over, as shown.
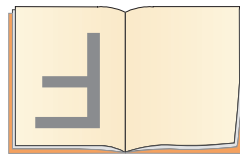
How many nails does Steve have altogether?

(A)    13
(B)    67
(C)    76
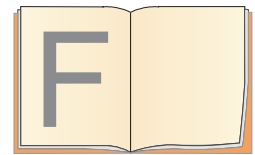(D)   607

4. Kumar wrote the letter 'F' in black pen.

When he turned the page, the 'F' showed through on the other side.
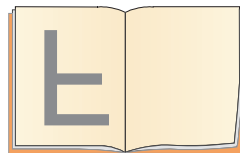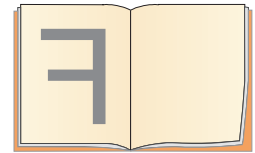
What did the 'F' look like on the other side of the page?

(A)

(B)

(C)

(D)

5. Six chocolate buttons cost the same as four red frogs.

How many chocolate buttons cost the same as ten red frogs?

(A)    12
(B)    15
(C)    18
(D)    20

**END OF PAPER**

## PAPER
# B  M

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**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.

**EXAMPLE 1:** _Debbie Bach_

FIRST NAME · LAST NAME
DEBBIE · BACH

**EXAMPLE 2:** _Chan Ai Beng_

FIRST NAME · LAST NAME
CHAN · AI BENG

**EXAMPLE 3:** _Jamal bin Abas_

FIRST NAME · LAST NAME
JAMAL BIN · ABAS

**FIRST NAME** to appear on certificate

**LAST NAME** to appear on certificate

(grids of lettered ovals A–Z for first name and last name)

**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**

Day  Month  Year

(number ovals 0–9)

**STUDENT ID** (optional)

(number ovals 0–9)

**CLASS** (optional)

A K
B L
C M
D N
E O
F P
G Q
H R
I S
J T

## TO ANSWER THE QUESTIONS

**MULTIPLE CHOICE**
Questions 1 to 35

**Example:** 4 + 6 =

  (A)   2
  (B)   9
  (C)   10
  (D)   24

The answer is <u>10</u>, so fill in the oval Ⓒ , as shown.

Ⓐ    Ⓑ    ⬤    Ⓓ

## START

1  Ⓐ    Ⓑ    Ⓒ    Ⓓ

2  Ⓐ    Ⓑ    Ⓒ    Ⓓ

3  Ⓐ    Ⓑ    Ⓒ    Ⓓ

4  Ⓐ    Ⓑ    Ⓒ    Ⓓ

5  Ⓐ    Ⓑ    Ⓒ    Ⓓ

SAMPLE

**PAPER B** **M**

✚ **REACH ASSESSMENTS**™

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| QUESTION | KEY | SOLUTION | STRAND | LEVEL OF DIFFICULTY |
|---|---|---|---|---|
| 1 | C | The picture in (C) has 3 squares and 2 cirlces. | Space and Geometry | Easy |
| 2 | B | Measure the lines. Line B is the longest. | Measurement | Easy |
| 3 | B | There are six packs of ten nails (that is 60 nails) and seven nails left over; together they make 67. | Number and Arithmetic | Easy |
| 4 | D | The image is a reflection of the letter 'F' on the spine of the book. | Space and Geometry | Medium |
| 5 | B | Six chocolate buttons cost the same as four red frogs. This means that three chocolate buttons cost the same as two red frogs. Therefore, count by threes to calculate that 6 chocolate buttons cost as much as 4 red frogs, 9 chocolate buttons cost as much as 6 red frogs, 12 chocolate buttons cost as much as 8 red frogs and 15 chocolate buttons cost as much as 10 red frogs. Therefore, the correct answer is 15. | Number and Arithmetic | 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
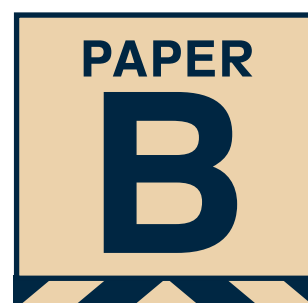
**Medium**                     about 50–70% of candidates will choose the correct option

**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 | |
| --- | --- |
| **Australia**[1] | Year 4 |
| **Brunei** | Primary 4 |
| **Egypt** | Year 4 |
| **Hong Kong** | Primary 4 |
| **Indian Subcontinent**[2] | Class 4 |
| **Indonesia** | Year 5 |
| **Malaysia** | Standard 4 |
| **Middle East**[3] | Class 4 |
| **New Zealand/ Pacific**[4] | Year 5 |
| **Singapore** | Primary 3 |
| **Southern Africa**[5] | Grade 4 |

# PAPER
# B

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