

Practice
Questions



INTERNATIONAL COMPETITIONS AND ASSESSMENTS FOR SCHOOLS MATHEMATICS

STUDENT'S NAME:

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 2B or B pencil.

Do **NOT** use a pen.

Rub out any mistakes completely.

You **MUST** record your answers on the **ANSWER SHEET**.

There are **3 MULTIPLE-CHOICE QUESTIONS** (1–3).

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.

Your score will be the number of correct answers.

Marks are **NOT** deducted for incorrect answers.

You may use a ruler and spare paper.

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

PLEASE SEE BACK COVER FOR A LIST
OF THE YEAR LEVELS THAT SHOULD
SIT THIS PAPER

TO ANSWER THE QUESTIONS

MULTIPLE CHOICE

Questions 1 to 3.

Example: $4 + 6 = ?$

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

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

(A) (B) (C) (D)



START

1 (A) (B) (C) (D)

2 (A) (B) (C) (D)

3 (A) (B) (C) (D)

INTERNATIONAL COMPETITIONS AND ASSESSMENTS FOR SCHOOLS MATHEMATICS

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1. Here is a group of faces.



What fraction of the group has smiling faces?

- (A) $\frac{13}{13}$
- (B) $\frac{13}{20}$
- (C) $\frac{7}{13}$
- (D) $\frac{7}{25}$

2. The objects below have the following masses.

= 200 grams

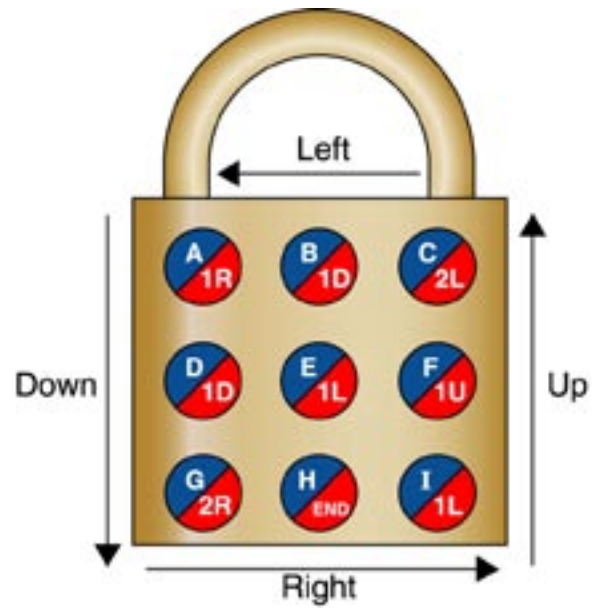
= 250 grams

= 500 grams

Which combination of objects below makes up 2.050 kilograms?

- (A)
- (B)
- (C)
- (D)

3. This padlock can be opened if all of the buttons are pressed once and in the correct order.



On the buttons, the letters U, D, L, R stand for Up, Down, Left and Right.

For example, means press button A and then move 1 button to the Right.

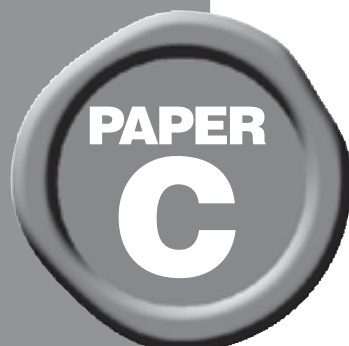
If you end on button H, at which button should you start to open the lock?

- (A) A
- (B) C
- (C) E
- (D) F

END OF PAPER

**THE FOLLOWING YEAR LEVELS
SHOULD SIT FOR THIS PAPER:**

AUSTRALIA: Year 5
BRUNEI: Primary 4
INDONESIA: Year 6
MALAYSIA: Standard 5
NEW ZEALAND: Year 6
PACIFIC: Year 5
SINGAPORE: Primary 4
SOUTH AFRICA: Grade 5



Question solutions–Paper C

Question 1

Answer key: B
Category: Number

Options Reasoning for options

A $\frac{13}{13}$ Does not recognise denominator is the total number of faces.

B $\frac{13}{20}$ Correct. There are 13 smiling faces among the total of 20 .

C $\frac{7}{13}$ Total number of frown faces divided by total number of smiling faces.

D $\frac{7}{25}$ Miscounts total number of faces. Counts faces with frowns.

Difficulty level: Easy. About 80-100% expected correct.

Question 2

Answer key: D
Category: Measurement

Options Reasoning for options

A 2.25 Mistaken place value.

B 2.15 Incorrectly substitutes information.

C 2.150 Incorrectly substitutes information.

D 2.050 Correct. Use the key to carefully substitute for each symbol

Difficulty level: Medium. About 31-79% expected correct.

Question 3

Answer key: D
Category: Space

Options Reasoning for options

A start A C and F are not pressed

B start C F is not pressed

C start E A, B, C and F are not pressed

D start F Correct. All the keys are pressed once.

Difficulty level: Hard. Less than 31% expected correct.
