

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



INTERNATIONAL COMPETITIONS AND ASSESSMENTS FOR SCHOOLS

MATHEMATICS



HOW TO FILL OUT THIS SHEET:



- Use 2B or B pencil only.
- Rub out all mistakes completely.
- Print your details clearly in the boxes provided.
- Make sure you fill in only one oval in each column.



EXAMPLE 1: Debbie Bach FAMILY NAME: B A C H GIVEN NAME: D E B B I E														EXAMPLE 2: Fahrul Asmady bin Abas FAMILY NAME: A B A S GIVEN NAME: F A H R U L A S M A D Y B I N													
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FAMILY NAME

A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z

GIVEN NAME

A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z

Are you Male or Female?

- Male Female

Does anyone in your home usually speak a language other than English?

- Yes No

TAP I.D. (TAP Schools only) - -

School Name: _____

Town / Suburb: _____

Today's Date: ____/____/____ Postcode: _____

What is your date of birth?

Day	Month	Year
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

CLASS (Optional)

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

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)

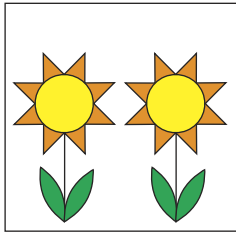
3 (A) (B) (C) (D)

INTERNATIONAL COMPETITIONS AND ASSESSMENTS FOR SCHOOLS MATHEMATICS

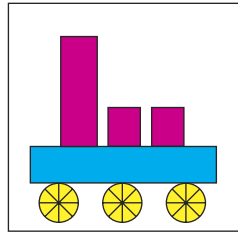
Your privacy is assured as EAA fully complies with appropriate Australian privacy legislation. Visit www.eaa.unsw.edu.au for more details.



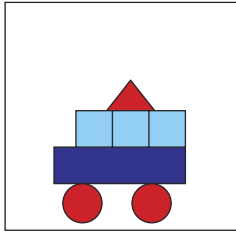
1. Which picture has 3 squares and 2 circles in it?



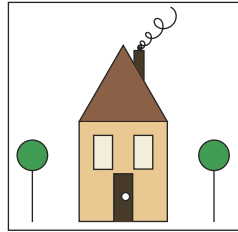
(A)



(B)

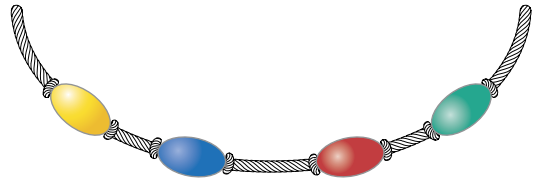


(C)



(D)

3. Allen is making a bead necklace using four different coloured beads, as shown.

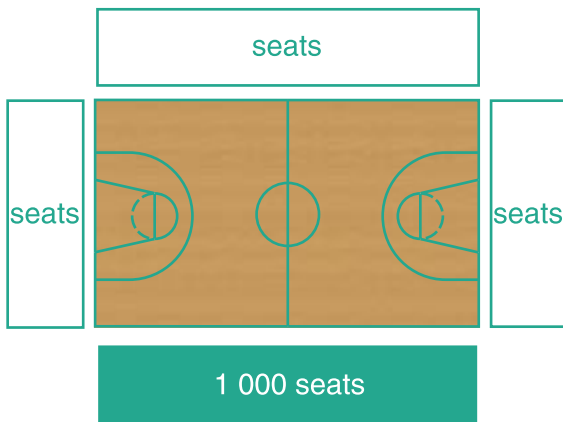


How many different ways can he arrange these four beads on the necklace?

- (A) 4
 (B) 6
 (C) 24
 (D) 32

END OF PAPER

2. This basketball court has seats around it.



The shaded area has 1 000 seats.

What is the approximate number of seats around this basketball court altogether?

- (A) 2 000
 (B) 3 000
 (C) 4 000
 (D) 5 000

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

AUSTRALIA: Year 4

BRUNEI: Primary 4

INDONESIA: Year 5

MALAYSIA: Standard 4

NEW ZEALAND: Year 5

PACIFIC: Year 4

SINGAPORE: Primary 3

SOUTH AFRICA: Grade 4



Question solutions–Paper B

Question 1

Answer key: C
Category: Space

<i>Options</i>	<i>Reasons for Options</i>
(A)	Has 2 circles, but no squares
(B)	Has 3 circles and 2 squares
(C)	Correctly recognises shapes
(D)	Has 2 circles and no squares

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

Question 2

Answer key: B
Category: Number

<i>Options</i>	<i>Reasons for Options</i>
(A) 2000	Only the seats on the 2 long sides were counted
(B) 3000	Correctly estimates number of seats
(C) 4000	The seats on shorter sides are fewer than on the other two.
(D) 5000	Far too big.

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

Question 3

Answer key: C
Category: Chance

<i>Options</i>	<i>Reasons for Options</i>
(A) 4	Incorrect. Only counts beads
(B) 6	Incorrect. Only counts 1 level of diagram or list
(C) 24	Correct. Clearly seen from systematic list or tree diagram
(D) 32	Incorrect. Double counts some options

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