ICAS

SAMPLE

PAPER A

2018 SPRING MATHEMATICS ENGLAND & WALES

DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED.

40 QUESTIONS

TIME ALLOWED: 45 MINUTES

Please check that the answer sheet you have been given has your correct details (name, date of birth).

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 **40 MULTIPLE-CHOICE QUESTIONS** (1–40).

Use the information provided to choose the **BEST** answer from the four possible options.

On your **ANSWER SHEET** fill in the box that matches your answer.

You may use a ruler and spare paper.
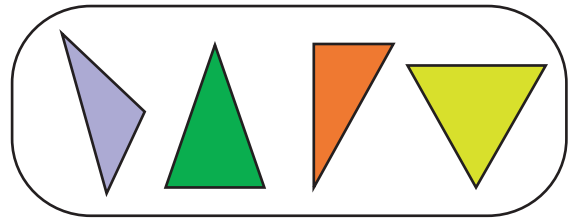
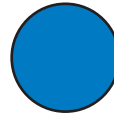You are **NOT** allowed to use a calculator.

1. This is John's birthday cake.

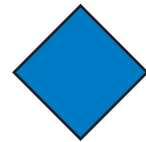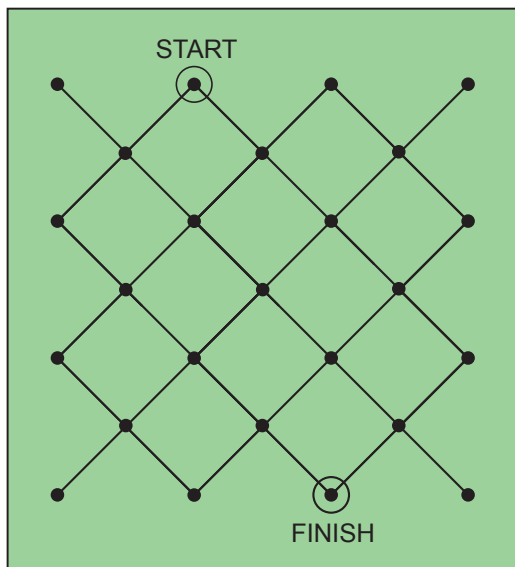How many candles are on his cake?

(A) 5
(B) 6
(C) 7
(D) 8

2. In the game below, Rita can only move along the lines, one dot at a time.

What is the **least** number of moves Rita can make to get from START to FINISH?

(A) 2
(B) 4
(C) 5
(D) 6

3. Here is a group of shapes.

Which other shape could belong to this group?

(A)   (B)

(C)   (D)
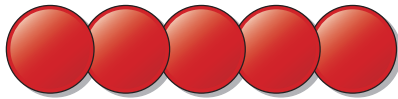
4. Lim makes toy cars.
Each car has 4 wheels.

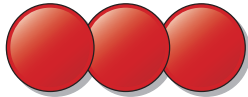
How many cars can he make using these wheels?

(A)   6
(B)   8
(C)   12
(D)   24

5. These five counters are overlapped and arranged into a row. The area covered by the five counters is 31 square units.

What is the area of one counter?

Two counters are taken away. The area covered by the remaining three counters is 19 square units.

What is the area of one counter ?

(A) 4 square units
(B) 5 square units
(C) 6 square units
(D) 7 square units

END OF PAPER

ACKNOWLEDGMENT

PAPER
A

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TO ANSWER THE QUESTIONS

MULTIPLE CHOICE
Questions 1 to 40

Example: 4 + 6 =

　　　　　[A]　　2
　　　　　[B]　　9
　　　　　[C]　　10
　　　　　[D]　　24

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

⌈A⌉　　⌈B⌉　　█　　⌈D⌉

USE A PENCIL
DO NOT USE COLOURED PENCIL OR PEN

START

1　　⌈A⌉　　⌈B⌉　　⌈C⌉　　⌈D⌉

2　　⌈A⌉　　⌈B⌉　　⌈C⌉　　⌈D⌉

3　　⌈A⌉　　⌈B⌉　　⌈C⌉　　⌈D⌉

4　　⌈A⌉　　⌈B⌉　　⌈C⌉　　⌈D⌉

5　　⌈A⌉　　⌈B⌉　　⌈C⌉　　⌈D⌉