

ICAS

PAPER

A

SAMPLE



# 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.

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

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Mark only **ONE** answer for each question.

Your score will be the number of correct answers.

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

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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.

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You may use a ruler and spare paper.

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

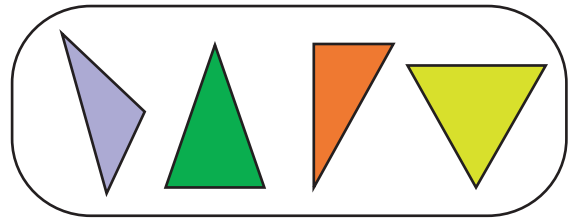
1. This is John's birthday cake.



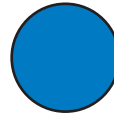
How many candles are on his cake?

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

3. Here is a group of shapes.



Which other shape could belong to this group?



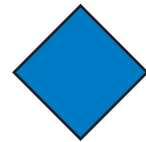
(A)



(B)

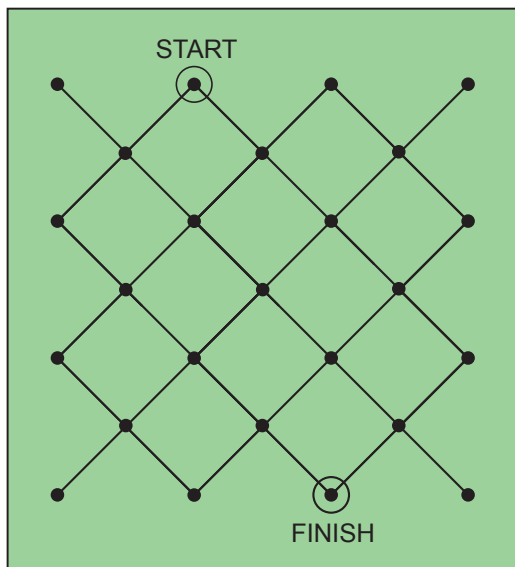


(C)



(D)

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

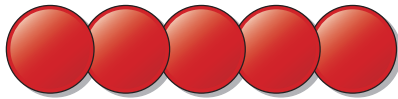
4. Lim makes toy cars.  
Each car has 4 wheels.



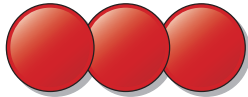
How many cars can he make using these wheels?


- (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.



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**

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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 10, so fill in the box  C, as shown.

A  B  C  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



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