

SAMPLE

PAPER

D



2018 SPRING MATHEMATICS ENGLAND & WALES

DO NOT OPEN THIS BOOKLET
UNTIL INSTRUCTED.

40 QUESTIONS

TIME ALLOWED: 1 HOUR

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 **35 MULTIPLE-CHOICE QUESTIONS** (1–35).

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.

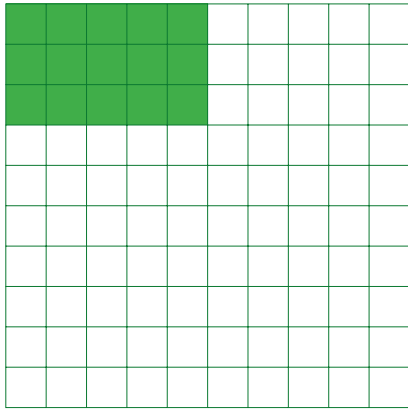
There are **5 FREE-RESPONSE QUESTIONS** (36–40).

Write your answer in the boxes provided on the **ANSWER SHEET** and fill in the boxes that match your answer.

You may use a ruler and spare paper.

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

1. Maree shaded some squares on a grid.



How many more squares would Maree need to shade so that half of this grid was shaded?

- (A) 15
- (B) 30
- (C) 35
- (D) 50

3. Laura has a lunch break from 11:50 am to 1:20 pm.



How long is Laura's lunch break?

- (A) half an hour
- (B) one hour and twenty minutes
- (C) one and a half hours
- (D) two and a half hours

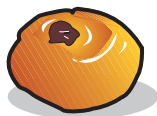
2. Sarah has \$5 to spend on lunch.



orange juice
\$1.50



salad sandwich
\$2.50



bun
\$2.00



apple
65c

If she buys one salad sandwich, which other two things could she buy?

- (A) one orange juice and one apple
- (B) one orange juice and one bun
- (C) two orange juices
- (D) one apple and one bun

4. What is the missing number in this number pattern?

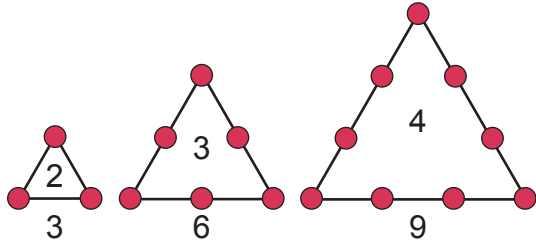


- (A) 24
- (B) 25
- (C) 34
- (D) 35

QUESTION 5 IS FREE RESPONSE.

Write your answer in the boxes provided on the ANSWER SHEET and fill in the ovals that match your answer.

5. Here is the start of a pattern.



The number below each triangle gives the total number of dots on the triangle.

The number inside the triangle gives the number of dots on each side of the triangle.

When the total number of dots on a triangle in this pattern is 72, how many dots are there on each of its sides?

END OF PAPER

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TO ANSWER THE QUESTIONS

MULTIPLE CHOICE

Questions 1 to 35

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

FREE RESPONSE

Questions 36 to 40

Example: $6 + 6 =$

- The answer is 12, so WRITE your answer in the boxes.
- Write only ONE digit in each box, as shown, and fill in the correct boxes, as shown.

	1	2
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 **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

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