Name	Date

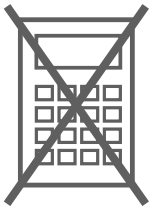
GCSE Mathematics 9-1

Prime Factorisation

(Non-Calculator)

Exam-Style Topic Paper	Total Marks
Time: 24 minutes	**/ 21**

Instructions



- Use black ink or ball-point pen.
- Fill in the boxes at the top of this page with your name and date number.
- Answer all questions.
- Answer the questions in the spaces provided – there may be more space than you need.
- You must show all your working.
- Diagrams are NOT accurately drawn, unless otherwise indicated.
- Calculators may **not** be used.

Information

- The marks for each question are shown in brackets – use this as a guide as to how much time to spend on each question.

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

1 Circle the two prime numbers in this list.

4 5 6 9 11

[1 mark]

2 Circle the two prime numbers in this list.

8 13 14 15 17

[1 mark]

3 Circle the two prime numbers in this list.

19 20 21 22 23

[1 mark]

4 Circle the two prime numbers in this list.

25 26 27 29 31

[1 mark]

5 Circle the two prime numbers in this list.

33 34 35 37 41

[1 mark]

6 Write 12 as a product of its prime factors.

.....

[2 marks]

7 Write 18 as a product of its prime factors.

.....

[2 marks]

8 Write 20 as a product of its prime factors.

.....

[2 marks]

9 Write 24 as a product of its prime factors.

.....

[2 marks]

10 Write 30 as a product of its prime factors.

.....

[2 marks]

11 Write 250 as a product of its prime factors.

.....

[2 marks]

12 Write 40 as a product of its prime factors.

.....

[2 marks]

13 Write 48 as a product of its prime factors.

.....

[2 marks]