

Name

Date

GCSE Mathematics 9-1

PRODUCT OF PRIME FACTORS



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 each list.

4 5 6 9 11

(1)

2 Circle the two prime numbers in each list.

8 13 14 15 17

(1)

3 Circle the two prime numbers in each list.

19 20 21 22 23

(1)

4 Circle the two prime numbers in each list.

25 26 27 29 30

(1)

5 Circle the two prime numbers in each list.

33 34 35 37 39

(1)

Total (5 marks)

6 Write 12 as a product of its prime factors.

.....
(2)

7 Write 18 as a product of its prime factors.

.....
(2)

8 Write 20 as a product of its prime factors.

.....
(2)

9 Write 24 as a product of its prime factors.

.....
(2)

10 Write 30 as a product of its prime factors.

.....
(2)

11 Write 250 as a product of its prime factors.

.....
(2)

12 Write 40 as a product of its prime factors.

.....
(2)

13 Write 48 as a product of its prime factors.

.....
(2)
