Key stage 2

Mathematics

Paper 1: arithmetic

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
School name						
Grade	5					

Instructions

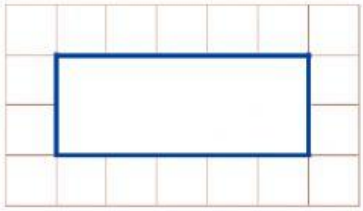
You **must not** use a calculator to answer any questions in this test.

Questions and answers

You have **1hour and 45 minutes** to complete this test.

Work as quickly and as carefully as you can.

Put your answer in the box for each question.



All answers should be given as a single value.

For questions expressed as common fractions or mixed numbers, you should give your answers as common fractions or mixed numbers.

If you cannot do a question, **go on to the next one**.
You can come back to it later, if you have time.

If you finish before the end, **go back and check your work**.

Marks

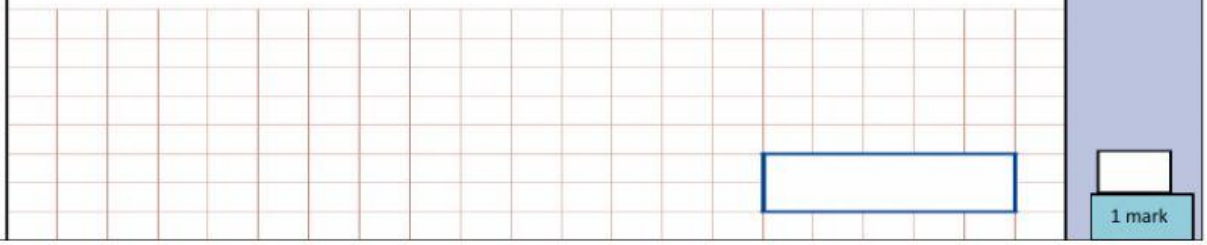
The number under each box at the side of the page tells you the number of marks available for each question.

In this test, long division and long multiplication questions are worth **2 marks each**. You will be awarded **2** marks for a correct answer.
You may get **1** mark for showing a formal method.

All other questions are worth **1 mark each**.

I. Multiply the following numbers. Use the space below to show your working.

1. 142 x 100 =



2. 438 x 10 =

3. 733 x 1000 =

4. 80 x 30 =

5. 60 x 100 =

II. Factors, multiples and prime .

1. List 3 common multiples of 2 and 5

1 mark

2. What is the smallest prime number

1 mark

3. List 5 prime numbers

1 mark

4 List the first 5 multiples of 8.

1 mark

5 I am a factor of every number, who am I ?

1 mark

III. Divide the following numbers.

1. $45 \div \_\_\_\_ = 9$

1 mark

2. $958 \div 2 = \_\_\_\_\_$

2 mark

3. $96 \div 8 = \_\_\_\_\_$

1 mark

4. $352 \div 7 = \_\_\_\_\_$

2 mark

5. $36 \div 4 = \_\_\_\_\_$

1 mark

IV. Write the **pairs of factors** of the following numbers. Look at the example

Example:

24 **1x24, 2x12, 3x8, 4x6**

1. 30 = _____ _____ _____ _____

2 mark

3. 42= _____ _____ _____ _____

2 marks

4. 54 = _____ _____ _____ _____

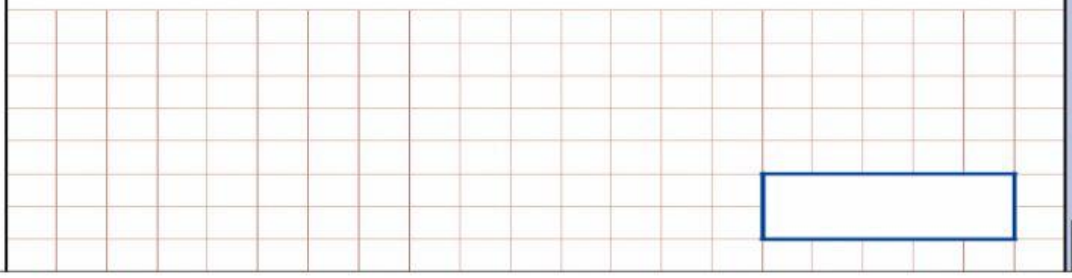
2 mark

5. 40 = _____ _____ _____ _____

2 mark

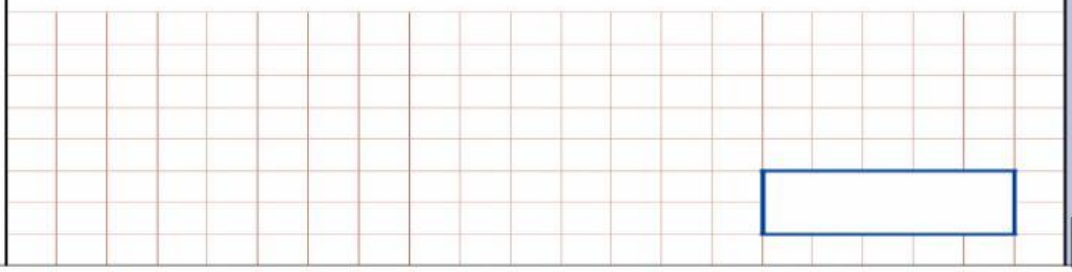
V. **Multiply** the numbers vertically then write in the box if the multiple is **odd or even**.

1. 56 x 35 =



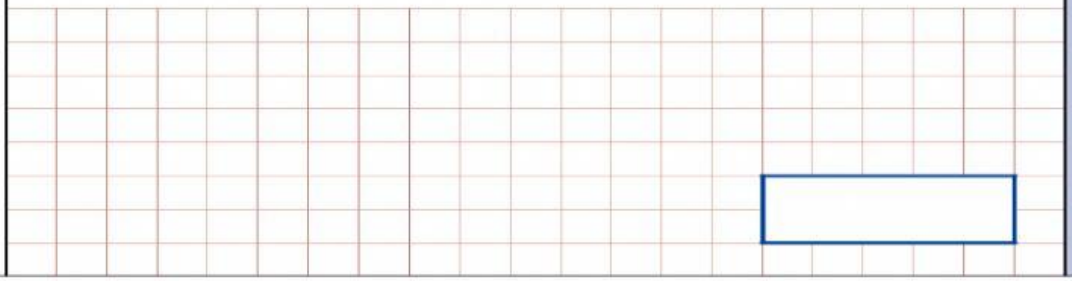
2 marks

2. 381 x 25 =



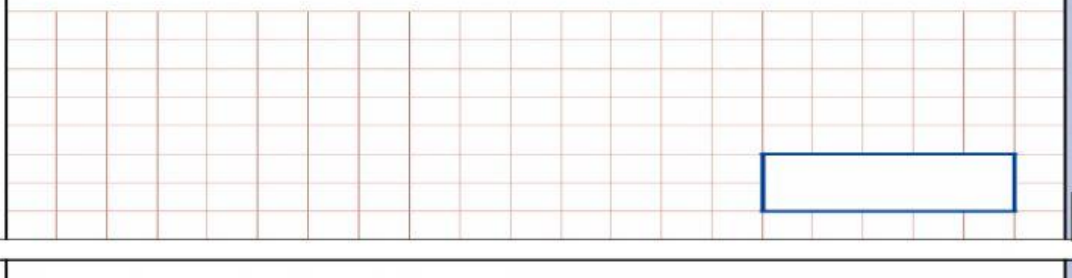
2 marks

3. 4629 x 4 =



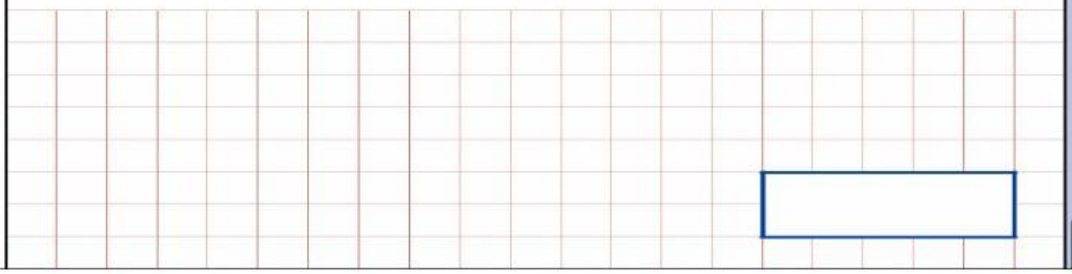
2 marks

4. 61 x 29 =



2 marks

5. 500 x 7 =



1 mark

VI. **Round** the following numbers to the nearest place value.

5 x2 pt. = 10 pts

1. Round 6,978 to the hundreds place = _____

2. Round to the nearest hundred thousand: 149,754 = _____

3. Round 95 to the nearest hundreds place = _____

4. The number 43,896 is rounded to 44,000. What place value was used to round the number =_____

5. Round 485 to the nearest unit = _____

10 marks

VII. Use the conversion **fact 1 km = 1000 m** to complete the equivalences.
Show the working on the space provided.

1 45 Km = _____ m

2 marks

2. _____ km = 320 m

2 marks

3.	_____ km = 90 m	2 marks