



Tenbury High Ormiston Academy
Maths Department

Stage 5 Home Learning
Autumn term

Name:

Maths teacher:

LMG:

Deadlines:

Task 1: _____ Task 2: _____

Task 3: _____ Task 4: _____

Task 5: _____ Task 6: _____

Each week your class teacher will ask you to learn and practise a set of times tables and/ or key words these will be stuck into your homework book every Tuesday for a short test on Friday.

Task 1: Bar codes

Most products are labelled with a barcode. The vertical bars and spaces are used to represent '0' and '1' in the binary number system. A check digit, the last digit in the code is used to verify the barcode.

For this task you will need:

- to collect at least 4 barcodes;
- both the Barcodes and Barcodes 2 sheets provided in class.

The steps needed to check a barcode are included on the sheet 'Barcodes'.

Record your investigation in your homework book.

You should include all of your working out.

Task 2: Skills check (5.1.3 and 5.1.4)

This will be stuck in your homework book in class.

You must answer all of the questions and show all of your working out.

Task 3: Square number investigations

A square number is made when a number is multiplied by itself. For example $3 \times 3 = 9$, so 9 is a square number.

For this task you will need:

- **Multiplication squares sheet**
- **Square number investigations sheet**
- **Square number investigations 2 sheet**

Work through the investigation by answering the questions on each of the sheets. Sheets should be stuck into your homework book.

You should include all of your working out.

Task 4: Skills Check (5.2.3 and 5.2.4)

This will be stuck in your homework book in class.

You must answer all of the questions and show all of your working out.

Task 5: ISBN

An ISBN, or International Standard Book Number, is found on most books. An ISBN helps to identify a book.

For this task you will need:

- ISBN sheet
- ISBN 2 sheet

Work through the investigation by answering the questions on each of the sheets. Sheets should be stuck into your homework book.

You should include all of your working out.

Task 6: Skills Check (5.2.6 and 5.2.7)

This will be stuck in your homework book in class.

You must answer all of the questions and show all of your working out.