

Complete Maths TUTOR – Homework guide

TUTOR is designed to help you learn the Maths you need to know and allow you to be successful. It will help you to fill any gaps in your understanding to make sure you are ready to learn each new idea.

The more effort you put in to your work with TUTOR, the more you will learn. Using it regularly and properly will help you make big improvements in your Maths.

Within TUTOR all the content is organised to help you learn in a structured way.

- **Courses** – Contain the Maths *Ideas* for you to learn
- **Ideas** – A new bit of Maths, split into *Goals* to work on
- **Goals** – The individual 'lessons' to work on. Each Goal has six steps to complete.

The screenshot displays the 'Stage 8 – Part 1' course interface. At the top, a green banner reads 'Stage 8 – Part 1' and 'This course covers aspects of solving equations, working with data representations and angle facts.' A blue arrow points from the word 'Course' to this banner. Below the banner is a progress bar showing '0%'. The main area contains four 'Idea' cards. The first card is 'Using formal written methods for arithmetic (including decimals and negatives)' with a 'START' button and '0/7 goals complete'. The second is 'Solving linear equations in one variable (unknown on both sides)' with a 'START' button and '0/6 goals complete'. The third is 'Understanding alternate and corresponding angles' with a 'RESUME →' button and '0/3 goals complete'. A blue arrow points from the word 'Idea' to this card. The fourth is 'Using tables, grids, Venn and Carroll diagrams for sets and unions' with a 'RESUME →' button and '0/3 goals complete'. A blue arrow points from the word 'Goals' to the 'RESUME →' button of this card.

How to work through the six steps of a Goal

1. Read **My Goal** to understand what you are learning
2. In **Readiness**
 - a. Take the Quiz to check you understand the prerequisites (things you need to know to be able to be successful in this Goal).
 - b. 'Fix' any topics that you need to. Watch the Instructional Video and do the Problems from the Example Problem Pairs in your homework book with full working. You can write down the examples, but you don't have to.
 - c. Quiz again to check you have improved your understanding
3. In **Learn**, watch the Instructional Video and make any notes that you want to in your homework book.
4. In **Do**, watch the teacher model the example in each Example Problem Pair, pause the video and attempt the problem yourself in your homework book including showing full working out. You can write down the examples, but you don't have to. *You must mark your work* using the video solutions.
5. In **Quiz**, take the Goal Quiz. You need to score at least 80% to complete the Goal. If you need more help, go back to the Learn and/or Do sections.

6. In **Remember**, take the Remember Quiz, which give you a chance to retrieve ideas you have looked at recently. This will help you remember them better in the long term.

Weekly homework

Your teacher will set you some Goals to work on each week for homework.

- You will have a week to finish the homework (number of Goals you have been set).
- Your homework must be finished by 11pm on the day it is due.
- To complete a Goal, you must:
 1. Answer the problems from the 'Example Problem Pairs' in your homework book including showing full working out (see below)and
 2. Score at least 80% on the Goal Quiz. You can have as many attempts as you like. If you choose not to watch the instructional video, you must still solve the problems in your book and you will have to score 100% on the Goal Quiz to complete the Goal.
- You will receive an Achievement Point for every Goal Quiz in which you achieve 100%.
- Not completing homework will result in a Behaviour Point and a letter sent home.

You may do additional Goals whenever you like and you will receive an achievement point for every one in which you score 100%.

Using your homework book

Your homework exercise book is for you to write down:

- Any notes you want to make from the Instructional Videos (optional)
- Any examples you want to record (optional)
- Your solutions to the Problems from the Example Problem Pairs (compulsory)

Your book must be looked after and work presented to the same high standards that are expected of your classwork.

- Write and underline the Goal title and the date.
- Work neatly down the page, setting out your working in full.
- All drawing must be done in pencil.
- All straight lines must be drawn with a ruler.
- If you need to cross anything out, do so with a single neat line.
- Mark your work in green pen.

Your Maths teacher will ask you to bring your book into school regularly for them to check your work. They will not be marking the homework book as you should mark the problems yourself from the videos.