

New KS3 Maths Knowledge Organiser Higher

The transition from Key Stage 2 (KS2) to Key Stage 3 (KS3) in mathematics can be a significant challenge for students. The New KS3 Maths Knowledge Organiser Higher is designed to support students in this transition and provide them with a solid foundation for success in GCSE Mathematics. This comprehensive guide covers all the essential knowledge and skills that students need to master in KS3, ensuring that they are well-equipped to tackle the more advanced concepts in GCSE.

Structure and Content

The New KS3 Maths Knowledge Organiser Higher is divided into eight sections, each covering a specific area of mathematics:

- Number
- Algebra
- Ratio, Proportion, and Rates of Change
- Geometry and Measures
- Probability
- Statistics
- Functions
- Trigonometry

Within each section, the content is further divided into subtopics, providing a logical and hierarchical structure that makes it easy for students to

navigate and locate the information they need.



New KS3 Maths Knowledge Organiser - Higher

by Jane Kurtz

★★★★★ 5 out of 5

Language : English

File size : 9975 KB

Screen Reader: Supported

Print length : 293 pages



Key Features

The New KS3 Maths Knowledge Organiser Higher is packed with a range of features to enhance student learning and engagement:

- **Clear and concise explanations:** Each subtopic is explained in a clear and accessible manner, making it easy for students to understand even the most challenging concepts.
- **Worked examples:** Numerous worked examples are provided throughout the book to illustrate the application of mathematical concepts and procedures.
- **Practice questions:** Each subtopic includes a variety of practice questions to reinforce understanding and prepare students for assessments.
- **Exam-style questions:** The book also includes exam-style questions to familiarize students with the types of questions they can expect in

GCSE Mathematics examinations.

- **Interactive online resources:** The Knowledge Organiser is accompanied by interactive online resources, such as video tutorials, animations, and simulations, to enhance student engagement and deepen understanding.

Benefits of Using the New KS3 Maths Knowledge Organiser Higher

There are numerous benefits to using the New KS3 Maths Knowledge Organiser Higher:

- **Comprehensive coverage:** The Knowledge Organiser covers all the essential knowledge and skills required for success in GCSE Mathematics.
- **Improved understanding:** Clear explanations and worked examples help students to develop a deep understanding of mathematical concepts.
- **Increased confidence:** Practice questions and exam-style questions boost student confidence and prepare them for assessments.
- **Effective revision tool:** The Knowledge Organiser can be used as an effective revision tool, providing students with a concise and organized summary of key concepts.
- **Support for teachers:** Teachers can use the Knowledge Organiser to supplement their lessons and provide students with a valuable resource for independent study.

How to Use the New KS3 Maths Knowledge Organiser Higher

The New KS3 Maths Knowledge Organiser Higher can be used in various ways to support student learning:

- **As a classroom resource:** Teachers can use the Knowledge Organiser as a reference during lessons to support their explanations and provide students with additional practice.
- **For independent study:** Students can use the Knowledge Organiser for independent study, reviewing concepts at their own pace and completing practice questions.
- **As a revision tool:** The Knowledge Organiser can serve as a valuable resource for students preparing for assessments, allowing them to quickly revise key concepts and practice exam-style questions.

The New KS3 Maths Knowledge Organiser Higher is an essential resource for any student aiming to excel in GCSE Mathematics. Its comprehensive coverage, clear explanations, worked examples, and practice questions provide students with a solid foundation for success. By utilizing this valuable tool, students can develop a deep understanding of mathematical concepts, increase their confidence, and achieve their full potential in GCSE Mathematics and beyond.



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