

SATs Survival Year 6
Parents' Practice and Revision
**Arithmetic Activity
Booklet**



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Pack Contents

Information and guidance for parents

Year 6 SATs Arithmetic Quiz 1 Number and Place Value, Mental Addition and Subtraction, Multiplication Tables

- Find 10 or 100 more or less than a given number
- Adding and subtracting three-digit numbers and ones, tens and hundreds
- Multiplication tables

Year 6 SATs Arithmetic Quiz 2 Addition and Subtraction, Order of Operations

- Addition and subtraction using written columnar methods
- Order of operations

Year 6 SATs Arithmetic Quiz 3 Multiplication and Division

- Square and cube numbers
- Multiply by 0 and 1, dividing by 1
- Multiplying 3 numbers
- Multiplication and division using formal written methods

Year 6 SATs Arithmetic Quiz 4 Fractions

- Add and subtract fractions
- Multiply fractions by whole numbers and fractions
- Divide proper fractions by whole numbers

Year 6 SATs Arithmetic Quiz 5 Decimals and Percentages, Ratio and Proportion

- Add and subtract decimal numbers
- Multiply and divide by 10, 100 and 1000, including decimals
- Percentages of amounts

Information and Guidance for Parents

Welcome to the Twinkl SATs Revision and Practice Guide for Arithmetic. This pack is intended to help you understand the KS2 Arithmetic test and to practise key arithmetic questions similar to those that may come up in the tests.

The KS2 Arithmetic Test

Children are asked to answer 36 questions in thirty minutes for the KS2 arithmetic test. The questions cover areas of the mathematics national curriculum (2014) that would be regarded as arithmetic. The curriculum can be found at:

<https://www.gov.uk/government/publications/national-curriculum-in-england-mathematics-programmes-of-study>

The national curriculum is expected to be taught over the four years of Key Stage 2. Therefore the questions in the test are based on all the arithmetic objectives from the KS2 national curriculum (and not just what they learn in Year 6).

The questions are each written with a grid beneath for the children to write any working out, and an answer box in the bottom right. Most of the grids are this size, but those for the formal methods with larger numbers are slightly bigger. Here is an example of the grid. The larger one has 12 rows.

36																					

Many other areas of the mathematics curriculum are tested in the reasoning papers.

How to use this pack

This arithmetic pack has broken down the statutory requirements of the KS2 national curriculum covered in the arithmetic tests into five quizzes, each one consisting of a number of questions. Each quiz contains the answers and any relevant explanation of which national curriculum arithmetic requirement is being tested.

- Use each quiz with your child during the weeks building up to the KS2 SATs tests.
- Together, mark the quiz using the answer sheet and identify any questions on the quiz your child struggled with. They may need further support in this area to learn that individual arithmetic method or concept. If there are any arithmetic questions your child struggles with, use the Twinkl website to find resources to support your child with that arithmetic method or concept.
- Use the blank sheets to write similar questions to those in the quizzes.

