

Welcome 😊



**MATHEMATICS
WORKSHOP FOR
PARENTS
AUTUMN TERM**

The National Curriculum



THE 'NEW' NATIONAL CURRICULUM HAS HIGHER EXPECTATIONS OVERALL
THERE IS A GREATER EMPHASIS ON ARITHMETIC, INCLUDING BOTH WRITTEN AND
MENTAL CALCULATIONS (BOTH YEAR 2 AND YEAR 6 SAT'S)
5 YEAR OLDS ARE EXPECTED TO LEARN TO COUNT UP TO 100 (COMPARED TO 20
UNDER THE OLD CURRICULUM)
BY THE AGE OF 9, CHILDREN WILL BE EXPECTED TO KNOW TIMES TABLES UP TO 12X12
(COMPARED TO 10X10 BY THE END OF PRIMARY)
BY THE END OF YEAR 6, CHILDREN SHOULD BE ABLE TO CONVERT DECIMAL
FRACTIONS TO SIMPLE FRACTIONS (E.G. $0.375 = \frac{3}{8}$)

KS1 SAT TEST



ALL CHILDREN MUST TAKE THE NATIONAL TESTS AT THE END OF KEY STAGE 1 AND
KEY

STAGE 2.

- TESTING MUST TAKE PLACE IN MAY. KEY STAGE 1 CHILDREN HAVE THE WHOLE
MONTH TO
DO THE TESTS.

- 7-YEAR-OLDS ARE TESTED ON READING, WRITING, SPELLING AND MATHS.

- KEY STAGE 1 TEACHERS MARK THE TESTS THEMSELVES, WITH THEIR MARKING
CHECKED

BY THE AUTHORITY'S ADVISORS OR INSPECTORS. THIS IS TO MAKE SURE THAT ALL
RESULTS ARE ABSOLUTELY FAIR.

KS1 SAT TEST



CHILDREN WORK THROUGH BOOKLETS OF MATHS QUESTIONS COVERING ALL OF THE WORK THEY HAVE BEEN DOING IN THEIR NUMERACY LESSONS INCLUDING NUMBER, SHAPE, MEASURING, SIMPLE FRACTIONS, DATA HANDLING AND PROBLEM SOLVING. YOUR CHILD IS ALLOWED TO USE SOME EQUIPMENT FOR COUNTING AND HAVE A RULER, BUT, AS IN ALL THE OTHER TESTS, THEY ARE EXPECTED TO WORK OUT THE ANSWERS ON THEIR OWN. THERE

MAY BE QUESTIONS FOR WHICH THEY WILL HAVE TO WRITE AN EXPLANATION OF THEIR 'WORKING OUT'. CHILDREN CAN ASK THE TEACHER TO READ THE QUESTIONS TO THEM AND THE WRITTEN ANSWERS ARE NOT JUDGED ON SPELLING OR HANDWRITING. THERE ARE TWO SEPARATE ONES AND YOUR CHILD WILL SIT THE PAPER WHICH REFLECTS THE LEVEL THEY ARE WORKING AT.

The NEW Year 4 times table test



- CHILDREN WILL BE SITTING THE TEST IN JUNE 2020 (THE CURRENT YEAR 3'S)
 - CHILDREN WILL BE TESTED UP TO 12 X 12
- CHILDREN WILL HAVE 6 SECONDS TO ANSWER PER QUESTION
 - 3 SECOND BREAK BETWEEN QUESTIONS
 - 25 QUESTIONS ALL TOGETHER

KS₂ SAT TESTS



- **THERE WILL BE THREE PAPERS: 1 ARITHMETIC PAPER AND 2 MATHEMATICAL REASONING PAPERS.**
- **THERE WILL NOT BE A MENTAL MATHS PAPER INSTEAD AN ARITHMETIC TEST HAS BEEN INTRODUCED TO ASSESS BASIC MATHEMATICAL CALCULATIONS.**
- **QUESTIONS IN THE ARITHMETIC TEST WILL COVER:**
 - **STRAIGHTFORWARD ADDITION AND SUBTRACTION**
 - **MORE COMPLEX CALCULATIONS WITH FRACTIONS**
 - **LONG DIVISION AND LONG MULTIPLICATION**
- **GRID PAPER WILL BE PROVIDED IN ANSWER SPACES FOR QUESTIONS ON THE ARITHMETIC PAPER AND FOR SOME QUESTIONS**

KS₂ SATS



ARITHMETIC TEST

- **THERE WILL BE 36 QUESTIONS IN THE ARITHMETIC TEST AND THERE WILL BE 40 MARKS AVAILABLE MOST OF WHICH WILL BE WORTH ONE MARK.**

- **THE TEST WILL LAST 30 MINUTES.**

MATHEMATICAL REASONING PAPERS

- **THERE WILL BE TWO MATHEMATICAL REASONING PAPERS.**

- **EACH PAPER WILL BE OF 40 MINUTES DURATION WITH A TOTAL OF 35 MARKS PER PAPER AVAILABLE.**

KS2 PAPER 1

16

$$1,440 \div 12 =$$

A grid for working out the division problem. It consists of 20 columns and 3 rows of small squares. The grid is positioned below the equation and above a light purple rectangular box on the right.

20

$$5,756 + 8,643 =$$

A grid for working out the addition problem. It consists of 20 columns and 3 rows of small squares. The grid is positioned below the equation and above a light purple rectangular box on the right.

26

$$\frac{1}{4} \times \frac{1}{8} =$$

A grid for working out the multiplication problem. It consists of 20 columns and 3 rows of small squares. The grid is positioned below the equation and above a light purple rectangular box on the right.

KS2 PAPER 2

What is 444 minutes in hours and minutes?

hours	minutes
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Write the two missing digits to make this long multiplication correct.

$$\begin{array}{r} \times \quad \quad \quad \square \quad \square \\ \quad \quad \quad 4 \quad \square \\ \hline \quad \quad 2 \quad 4 \quad 6 \\ \quad \quad 8 \quad 2 \quad 0 \\ \hline \end{array}$$

BOTH TESTS



SCALED SCORES

- ALL TEST OUTCOMES AT BOTH KS1 AND KS2 WILL BE REPORTED AS SCALED SCORES.
 - THE NATIONAL STANDARD WILL BE 100.
 - RAW SCORES (THE NUMBER OF MARKS AWARDED FOR EACH SUBJECT) WILL BE TRANSLATED TO SCALED SCORES (A COMPARABLE SCORE FOR EACH SUBJECT) USING A CONVERSION TABLE.
 - PUPILS WILL RECEIVE A RAW SCORE, A SCALED SCORE AND CONFIRMATION OF ATTAINMENT OF THE NATIONAL STANDARD.
- THE GOVERNMENT HAVE SAID THAT THE “NATIONAL STANDARD” WILL BE ROUGHLY EQUIVALENT TO AN OLD LEVEL 4B.

What is TTROCKSTARS?



- Online game to support children in learning their tables
- To support children in instant recall
- Variety of different games
- Some controlled by the teacher
- Supports our times table challenge in the classroom

<https://ttrockstars.com/>

What is my child learning in class?



- We send home each half term an overview for all subjects
- We follow Herts for Learning Math Essentials
- We have attached the long term plan for each year group

How can I help my child at home?



- Play card games/board games
- Talk about how you enjoy math even if you find it hard
- Get your child to teach those at home
- Online games
- TTRockstars
- Help with shopping – work out the money, estimate as they are walking around
- Telling the time during the day – what time will it be in?

Next workshop



- The difference between mental fluency and written calculations
- Different strategies to work out questions