

Maths at Dane Royd



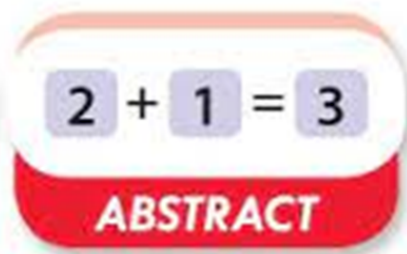
White Rose Maths



At Dane Royd, we have a mastery approach to teaching Maths. White Rose Maths is a scheme that helps us to break our curriculum down into small steps to achieve a depth of understanding.

- Fluency
- Reasoning
- Problem Solving
- <https://whiterosemaths.com/homelearning/>

Concrete - Pictorial - Abstract



White Rose Maths Booklets



Twinkl

Twinkl provides mastery style work based on the objectives outlined in the White Rose schemes of work.



Represent Numbers to 1000

1) Write the numbers represented below in numerals.

a)

b)

c)

2) Complete the sentences to give the number being represented.

There are _____ hundreds, _____ tens and _____ ones. The number is _____.

3) Look at the number being described. Identify the number and draw a representation of it.

a) I have 2 hundreds, 6 tens and 9 ones. My number is _____.

b) I have 9 hundreds, 4 tens and 7 ones. My number is _____.

[Scan here for help!](#)

Represent Numbers to 1000

1) Is Emily correct? Explain why.

I think two of these images represent 248.

2) Do you agree with Elias? Why?

I think image A represents the greater number because there are hundreds, tens and ones. Image B only has hundreds and tens.

A

B

3) Which of these numbers is the odd one out? Explain your reasoning.

A

B

C

[Scan here for help!](#)

Represent Numbers to 1000

1) Drew is making different numbers with these three digit cards. Can you help them solve the problems?

a) How many 3-digit numbers can you make with these cards? List them.

b) Draw base ten representations of the smallest and greatest 3-digit numbers.

2) Use the clues to identify the number.

It has an odd amount of hundreds.	It has an even amount of ones.	The hundreds digit is smaller than the tens digit.
The ones digit is greater than 6.	The tens digit is half the ones digit.	The hundreds digit is not 1.

b) Draw your own representation of the number.

c) Think of a 3-digit number. Write your own clues and challenge a partner to identify and draw it.

3) Shola has represented this 3-digit number using base ten.

Priya has made a different 3-digit number. What is Priya's number?

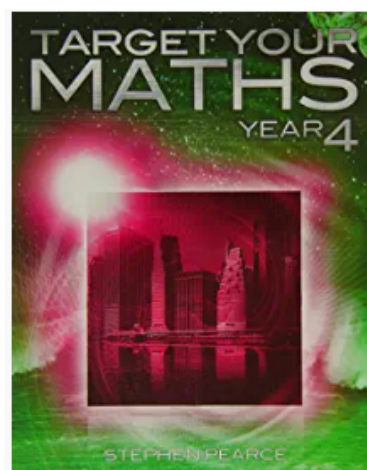
I have four fewer pieces of base ten equipment than Shola. My hundreds digit is one more than my tens digit and my tens digit is one less than my ones digit.

[Scan here for help!](#)

Target Your Maths

Used in school to support teaching and available to buy on Amazon.

Can be used to support at home if children want extra practice or if parents want to know what is coming next.




Formal Methods for addition and subtraction

Addition

$$\begin{array}{r} 1 \ 1 \\ 77 \\ + 65 \\ \hline 142 \\ \hline \end{array}$$

Subtraction: Column Method

$\begin{array}{r} 75 \\ - 48 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 75 \\ - 48 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} \overset{6}{\cancel{7}}\overset{1}{5} \\ - 48 \\ \hline 7 \\ \hline \end{array}$
<p>Place the numbers one on top of the other, lining up the tens and the ones.</p>	<p>Start by subtracting the ones (always start from the right-hand column). The answer to $5 - 8$ is negative.</p>	<p>Exchange a 10 from the 70 to give 15 ones. Subtract the ones: $15 - 8 = 7$</p>
$\begin{array}{r} \overset{6}{\cancel{7}}\overset{1}{5} \\ - 48 \\ \hline 27 \\ \hline \end{array}$	$\begin{array}{r} \overset{6}{\cancel{7}}\overset{1}{5} \\ - 48 \\ \hline 27 \\ \hline \end{array}$ 	
<p>Subtract the tens: $60 - 40 = 20$</p>	<p>Check your answer.</p>	

Multiplication Facts

Year 4 Multiplication Tables

Check 2022/2023

The purpose of the MTC is to determine whether pupils can recall their times tables fluently, which is essential for future success in mathematics. It will help schools to identify pupils who have not yet mastered their times tables, so that additional support can be provided.

6 seconds per question

25 questions

1x table - 12x table

All times tables should have been learned to 12 x 12 by the end of Year 4.

Any volunteers?

<https://www.timestables.co.uk/multiplication-tables-check/>



$$4 \times 2 =$$

1

2

3

4

5

6

7

8

9

<-

0

Enter

Times Tables Rockstars



Times Table Rock Stars is a fun and challenging programme designed to help your child/children to master the times tables! To be a Times Table Rock Star you need to answer any multiplication fact up to 12×12 in less than 3 seconds! The goal is for all participating rockers to be Times Table Rock Stars after 20 weeks!

If you need your child's log in please speak to the class teacher.

How can you support your child to develop their skills in Maths?

- **TT Rockstars** is essential practice for LKS2 children.
- **Top Marks 'Daily 10'** this is a quick fire basic facts programme that will help with key maths facts e.g. doubles/halves, multiples

- **Real Life Maths:**

Counting money to pay at a till

Measuring ingredients or liquids

Calculating journey distances

Telling the time using analog clocks



Any questions?