
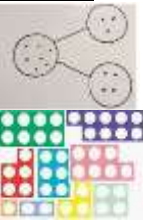
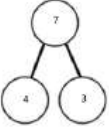
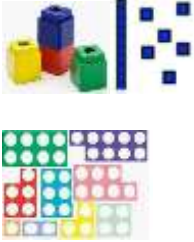
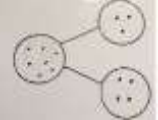
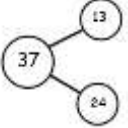

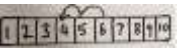
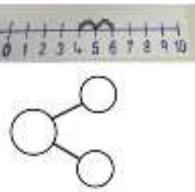


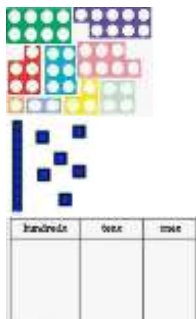
Wodensfield Primary Key Stage 1 Calculation Policy Addition and Subtraction

<u>Addition and Subtraction</u>	<u>Year 1</u>		<u>Year 2</u>			
<u>Number Bonds</u>	represent and use number bonds and related subtraction facts within 20 Concrete 	Pictorial 	Abstract $4+3=7$ 4 is a part, 3 is a part and the whole is 7.  same for + and -	recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100 Concrete 	Pictorial 	Abstract $13+4=17$  $34-11=23$ Fact families $9+1=10$ $19+1=20$ $90+10=100$
<u>Mental calculations</u>	add and subtract one-digit and two-digit numbers to 20, including zero Concrete 	Pictorial 	Abstract 	add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> * a two-digit number and ones * a two-digit number and tens * two two-digit numbers * adding three one-digit numbers 		

Wodensfield Primary Key Stage 1 Calculation Policy Addition and Subtraction

read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs

Concrete



Pictorial

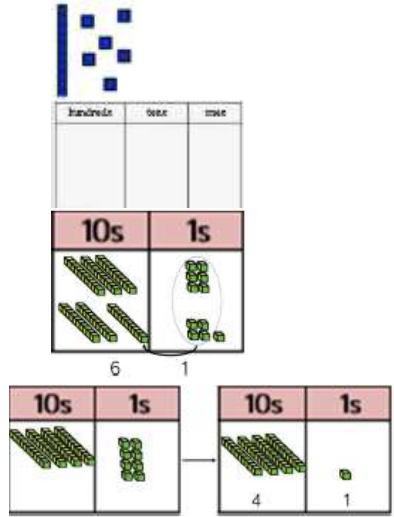


draw dienes

Abstract

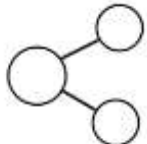
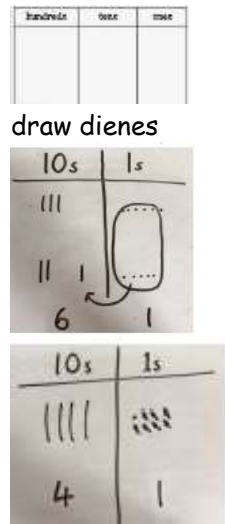
$2+3=5$
 $6-2=4$

Concrete



show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot

Pictorial






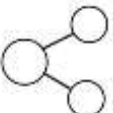

Abstract

$36+25=61$
 $21+26=$
 $40+7$
 $36+25=$
 $50+11$


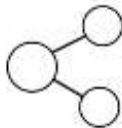

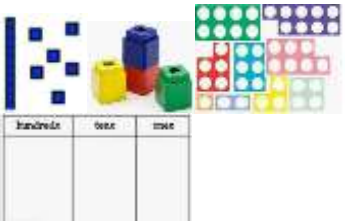
$48-7=4$

$3+2=$
 $2+3=$
 $3-2=$

Wodensfield Primary Key Stage 1 Calculation Policy Addition and Subtraction

<p><u>Written methods</u></p>	<p>read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</p> <p><u>Concrete</u></p> 	<p><u>Pictorial</u></p>  <p>draw dienes or pictures</p> 	<p><u>Abstract</u></p>  <p>$5+3=8$</p> <p>$7-2=5$</p>	<p>read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</p> <p><u>Concrete</u></p> 	<p><u>Pictorial</u></p> <p>draw dienes</p>	<p><u>Abstract</u></p> <p>$58+21=79$</p> <p>$76-41=35$</p> <p>Summer Term introduce column method (without bridging)</p> $\begin{array}{r} 23 \\ + 15 \\ \hline 38 \end{array}$ $\begin{array}{r} 56 \\ - 23 \\ \hline 33 \end{array}$ <p>TO TO $58+21=$ $70+9=$</p> <p>TO TO $76+41=$ $30+5=$</p>


Wodensfield Primary Key Stage 1 Calculation Policy Addition and Subtraction

<p><u>Inverse operations, estimating and checking answers</u></p>				<p>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</p> <p><u>Concrete</u></p> 	<p><u>Pictorial</u></p> 	<p><u>Abstract</u></p> <p>part+part=whole $3+5=8$ whole-part=part $8-5=3$</p>
<p><u>Problem Solving</u></p>	<p>solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as</p> <p>$7 = \square - 9$</p> <p><u>Concrete</u></p> 	<p><u>Pictorial</u></p> <p>using methods above</p>	<p><u>Abstract</u></p> <p>using methods above</p> <p>RUCSAC</p>	<p>solve problems with addition and subtraction:</p> <ul style="list-style-type: none"> * using concrete objects and pictorial representations, including those involving numbers, quantities and measures * applying their increasing knowledge of mental and written methods <p><u>Concrete</u></p> 	<p><u>Pictorial</u></p> <p>using methods above</p>	<p><u>Abstract</u></p> <p>Annotation of book where possible by child/teacher.</p> <p>using methods above</p>



Wodensfield
Primary School

Wodensfield Primary Key Stage 1 Calculation Policy Addition and Subtraction

	<table border="1"><thead><tr><th>hundreds</th><th>tens</th><th>ones</th></tr></thead><tbody><tr><td></td><td></td><td></td></tr></tbody></table>	hundreds	tens	ones							RUCSAC
hundreds	tens	ones									