North Cerney C of E Primary Academy


Supporting your child with maths at home
Our Calculation policy is put together to explain the different methods we, as a school, use for the four basic operations in maths (addition, subtraction, multiplication and division.) The policy shows the development in methods as the children progress throughout the school.
Hopefully you will find it helpful when supporting your children at home.
If you would like us to go through a particular method in greater details please talk to your child's class teacher.

Addition

|  | Statutory Guidance | Non-Statutory Guidance | Problem Solving | Calculation Progression |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| YR | Count ... from 1 $20 \ldots$ and say more than a given no. Using quantities objects, add two $O$ count on to find the answer [Expected] <br> Estimate no. of objects; check quantities by counting up to 20 [Exceeding] |  |  | Practical or recorded using ICT <br> Hannah ... listed how many girls and how many boys were outside. [She] was able to say that "There are 5 girls and 4 boys. That's 9 altogether". <br> When playing in the shop Christopher used his shopping list to add 2 amounts. He said "the beans are 5 pence and the bananas are 3 pence, altogether that is 8 pence." <br> [EYFS Profile exemplifications, STA] |  | Pictures/Objects <br> I eat 2 cakes and my friend eats 3. How many cakes did we eat altogether? <br> Might be <br> recorded as: <br> $2+3=5$ |  | Symbolic <br> 8 people are on the bus. 5 more get on at the next stop. <br> How many people are on the bus now IIIIIII IIIII <br> [Might be recorded as: $8+5=13$ ] |  |
| Y1 | Add and subtract one-digit and twodigit numbers to 20 , including zero <br> Read, write and interpret mathematical statements involving addition $(+)$, subtraction and equals ( $=$ ) signs. | They discuss and solve problems in a familiar practical context, including Problems should include the terms put together, add, altogether, total take away, more than and less than, so that pupils develop the addition and subtraction and are enabled to operations flexibly. | Solve one-step problems that involve addition and subtraction, objects and pictorial representations, and missing number problems | Pupils use concrete objects and pictorial representations (e.g. place value counters, Dienes) | Practical/recorded using ICT <br> Pictures/Symbolic (see above) |  | Visual (modelled using number lines)$13+5=18$ |  | Use known facts/partitioning $\begin{aligned} & 8+5=13 \\ & 8+2=10 \\ & 10+3=13 \end{aligned}$ |
| Y2 | Add and subtract numbers using concrete objects, pictorial <br> representations, and mentally, <br> including. <br> TO + O <br> TO + TU <br> $\mathrm{O}+\mathrm{O}+\mathrm{O}$ <br> Show that <br> addition of two numbers can be done in any order. <br> Recognise and use inverse relationship between $+/$ - and use this to check calculations and problems. | Pupils extend their <br> understanding of <br> the language of addition and <br> subtraction to <br> include sum and <br> difference. <br> Recording <br> addition and <br> columns supports <br> place value and <br> prepares for methods with <br> larger numbers. | Solve problems with addition and subtraction: Using concrete objects and pictorial representations, including those involving quantities and measures; Applying their increasing knowledge o mental and written methods | Pupils use concrete objects, pictorial representations and mental strategies. (e.g. place value counters, Dienes) | Practical/visua images $58+30=88$ | Visual jumps) $35+47=$ | cient | No number line $\begin{aligned} & 35+47=82 \\ & 47+30=77 \\ & 77+5=82 \end{aligned}$ | Column Partitioning $\begin{array}{r} 47+35=82 \\ 40+7 \\ 30+5 \\ \hline 70+12 \end{array}$ |


|  | Statutory Guidance | Non-Statutory Guidance | Problem Solving |  |  | rogression |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Y3 | Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. <br> Estimate the answer to a calculation and use inverse operations to check answers. | Pupils practise solving varied addition and subtraction questions. <br> Pupils use their understanding of place value and partitioning, and practise using columnar addition and subtraction with increasingly large numbers up to three digits to become fluent. | Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. | Number line $57+285=342$ | No number line $\begin{aligned} & 57+285=342 \\ & 285+50=335 \\ & 335+7=342 \end{aligned}$ | Expanded vertical $\begin{aligned} & 374+248= 622 \\ & 374 \\ &+\frac{248}{12} \\ & \underline{500} \\ & \underline{622} \end{aligned}$ | Compact vertical $\begin{array}{r} 374+248=622 \\ 374 \\ +\frac{248}{\frac{622}{11}} \end{array}$ |
| Y4 | Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate. <br> Estimate and use inverse operations to check answers to a calculation. | Pupils continue to practise both mental methods and columnar addition and subtraction with increasingly large numbers to aid fluency. | Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why. | Expanded vertical$\begin{array}{rr}  & 5735+562=6297 \\ 5735 & \\ +\quad 562 \\ \hline 7 & \\ 90 & \\ 1200 & \\ \hline \frac{5000}{6297} & \\ \hline \end{array}$ |  | Compact vertical$\begin{aligned} & 5735+562=6297 \\ & +\frac{5735}{562} \\ & \hline \frac{6297}{1} \end{aligned}$ |  |
| Y5 | Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. <br> Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) | Pupils practise using the formal written methods of columnar addition and subtraction with increasingly large numbers to aid fluency. | Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. | Expanded vertical $\begin{array}{r} 23.7+48.56=72.26 \\ 23.70 \\ +48.56 \\ \hline 0.06 \\ 1.20 \\ 11.00 \\ 60.00 \\ \hline 72.26 \end{array}$ |  | Compact vertical $\begin{gathered} 23.7+48.56=72.26 \\ \\ +23.70 \\ +48.56 \\ \hline 71 \\ \hline 72.26 \\ \hline \end{gathered}$ |  |
| Y6 | Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. <br> Use knowledge of the order of operations to carry out calculations involving subtraction. | Pupils practise addition, subtraction, multiplication and division for larger numbers, using the formal written methods of columnar addition and subtraction, short and long division. <br> Pupils round answers to a specified degree of accuracy. | Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. | Expanded vertical $\begin{aligned} & 3.243+18.070=21.313 \\ & 3.243 \\ & +\quad 18.070 \\ & \hline 0.003 \\ & 0.110 \\ & 0.200 \\ & 21.000 \\ & \hline 21.313 \\ & \hline \end{aligned}$ |  | Compact vertical |  |

Subtraction

|  | Statutory Guidance | Non-Statutory Guidance | Problem Solving | Calculation Progression |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| YR | Count ... from 1-20 .. and say which no. is 1 less than a given no. Using quantities objects, subtract two O numbers and count back to find the answer. [Expected] <br> Estimate no. of objects; check quantities by counting up to 20 . [Exceeding] |  |  | Practical or recor <br> Chloe was playing need three more" some cubes to the she had more than too many". She rem have the same". <br> During a game of s knocked three num was able to calcula <br> [EYFS Profile exem | using ICT <br> he maths area. "I said as she added le. She then realised friend. "Oh, I have ed one. "Now we <br> es outdoors Joseph ed skittles down. He is score in his head. <br> ications, STA] | Pictures/Objects <br> I have five cakes. I many do I have left? | two of them. How | Symbolic <br> Mum baked 9 biscuit were left? <br> [Might be recorded | I ate 5. How many $: 9-5=4]$ |
| Y1 | Add and subtract one-digit and twodigit numbers to 20 , including zero. <br> Read, write and interpret mathematical statements involving addition $(+)$, subtraction (-) and equals (=) signs | They discuss and solve problems in a familiar practica context, including using quantities. Problems should include the terms put together, add, altogether, total, take away, distance between, more than and less than, so that pupils develop the concept of addition and subtraction and are enabled to use these operations flexibly. | Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems. | Practical or recor ICT <br> Pupils use concret pictorial representa (e.g. place value co Dienes) | using Taking a <br> (modelled <br> $13-5=8$  | way - jumps of 1 using bead strings) | Counting on - jum (modelled using be <br> Find the difference and 11. | of 1 strings) <br> tween 8 <br> Counting <br> (efficient <br> Find the and 11. <br> With, or w $\begin{gathered} 8+2=1 \\ 10+1=1 \end{gathered}$ | on <br> mps) <br> fference between 8 <br> thout, number line |
| Y2 | Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: TO-O <br> TO-T <br> TO - TO $0-0-0$ <br> Show that addition of two numbers can be done in any order. <br> Recognise and use inverse relationship between $+/$ - and use this to check calculations and missing number problems. | Pupils extend their understanding of the language of addition and subtraction to include sum and difference. <br> Recording addition and subtraction in columns supports place value and prepares for formal written methods with larger numbers. | Solve problems with addition and subtraction: Using concrete objects and pictorial representations, including those involving numbers, quantities and measures; Applying their increasing knowledge of mental and written methods. | Pupils use concrete objects and pictorial representations and mental strategies. (e.g. place value counters, Dienes) | Practical/visual images $95-60=35$ | Taking away $84-36=48$ <br> (Jumps can also be completed in 10s/1s) | Taking away (no number line) $\begin{aligned} & 84-36=48 \\ & 84-30=54 \\ & 54-4=50 \\ & 50-2=48 \end{aligned}$ | Counting on $84-48=36$ <br> (Jumps can also be completed in $10 \mathrm{~s} / 1 \mathrm{~s}$ ) | Expanded vertical $\begin{aligned} & 98-35=63 \\ & 90 \text { and } 8 \\ & 30 \text { and } 5 \\ & \hline 60 \text { and } 3 \\ & \hline \end{aligned}$ |



Multiplication

|  | Statutory Guidance | Non-Statutory Guidance | Problem Solving |  | Calculation Progression |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| YR | Children ... solve problems, including doubling, halving and sharing. [Expected] <br> Solve practical problems that involve combining groups of 2/5/10. [Exceeding] |  |  | Practical/recorded using ICT <br> How many 10p coins are here? How much money is that? <br> This domino is a double 4. How many spots does it have? | Pictures/Objects <br> How many socks in three pairs? | Symbolic <br> 3 pairs, 2 socks in each pair: |
| Y1 |  | Through grouping and sharing small quantities, pupils begin to understand; multiplication and division; doubling numbers and quantities; and finding simple fractions of objects, numbers and quantities. <br> They make connections between arrays, number patterns, and counting in twos, fives and tens. | Solve one-step problems involving multiplication and division, using concrete objects, pictorial representations and arrays (with the support of the teacher) | Practical/Recorded using ICT/Pictures/Symbolic <br> There are five cakes in each bag. How many cakes are there in three bags? | Visual <br> (eg modelled using bead strings) <br> $5 \times 3$ or $3 \times 5$ [two, three times] or [three groups of two] | Arrays $5 \times 2 \text { or } 2 \times 5$ |
| Y2 | Calculate statements for multiplication and division within the multiplication tables and write them using the multiplication, division and equals signs. <br> Show that multiplication of two numbers can be done in any order and division of one number by another cannot. | Pupils use a variety <br> of language to describe multiplication and division. <br> Pupils work with a range of materials and contexts in which multiplication and division relate to grouping and sharing discrete and continuous <br> quantities, to arrays and to repeated addition. They begin to relate these to fractions and measures. They use commutativity and inverse relations to develop multiplicative reasoning. | Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. | Pictures/Symbolic <br> There are four apples in each box. How many apples in six boxes | Repeated addition $5 \times 3 \text { or } 3 \times 5$ | Arrays $6 \times 4 \text { or } 4 \times 6$ |


|  | Statutory Guidanc | $\begin{aligned} & \text { Non-Statutory } \\ & \text { Guidance } \end{aligned}$ | Problem Solving | Calculation Progression |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| уз |  | Pupils develop efficient mental methods, for commutativity and multiplication and division facts to derive related facts. <br> Pupils develop reliable multiplication and division, starting with calculations two-digit numbers by onedigit numbers and progressing to the formal written methods of short multiplication and division. <br> Pupils solve simple deciding which of the fou including measuring and scaling contexts, and in which m objects are connected to n objects. | Solve problems, <br> - including missing <br> involving multiplication <br> and division, including <br> problems and <br> problems in which n <br> m objects. | Arrays $6 \times 4 \text { or } 4 \times 6$ <br> $-00000$ <br> $-00000$ <br> - 0000 <br> $-0000$ | Multiplication grids$36 \times 4=144$$\mathbf{X}$ 30 6 <br> 4 120 24 | $36 \times 4=144$ $\begin{array}{r} 30 \times 4=120 \\ 6 \times 4=24 \end{array}$ |
| y4 | Multipy two.digit and three. iditit umbers by a oneodioit number using witten layuut |  | Solve probems involing <br> including using the <br> distributive law to multiply two-digit <br> numbers by one-digit, <br> and harder <br> correspondence <br> problems such as n objects are connected to <br> m objects. | Multiplication grids$342 \times 7=2394$X 300 40 2 <br> 7 2100 280 14 | Expanded long multiplication <br> $237 \times 4=948$ $\begin{array}{r} 237 \\ \times \quad 4 \\ \hline 28 \\ 120 \\ 800 \\ \hline 948 \end{array}$ | Long multiplication $342 \times 7=2394$  |


|  | Statutory Guidance | Non-Statutory | Problem Solving | Calculation Progression |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Y5 | Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers. <br> Multiply and divide whole numbers and those involving decimals by 10,100 and 1000. | Pupils practise and extend their use of the formal written methods of short multiplication and short division. They apply all the multiplication tables and related division facts frequently, commit them to memory and use them confidently to make larger calculations. <br> Pupils use multiplication and division as inverses to support the introduction of ratio in Y6, for example, by multiplying and dividing by powers of 10 in scale drawings dividing by powers of a 100 in converting between units such as $\mathrm{km} / \mathrm{m}$. <br> Pupils use and explain the equals sign to indicate equivalence, including in missing number problems. | Solve problems involving <br> multiplication and division including using their knowledge of factors and multiples, squares and cubes. <br> Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign. <br> Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates. | Expanded long multiplication $\begin{aligned} & 27 \times 34=918 \\ & \text { (estimate } 30 \times 30= \\ & 900 \text { ) } \end{aligned}$ $\begin{array}{rll} \mathbf{2 7} & & \\ \mathbf{x} \mathbf{3 4} & & \\ \hline \mathbf{2 8} & (7 x \quad 4) \\ \mathbf{8 0} & (20 \times 4) \\ \mathbf{2 1 0} & (7 \times 30) \\ \mathbf{6 0 0} & (20 \times 30) \\ \hline \mathbf{9 1 8} & & \end{array}$ | Long multiplication$\begin{aligned} & 2741 \times 6=16446 \\ & \text { (estimate } 3000 \times 6= \\ & \text { 18000) } \end{aligned}$ 274 1   <br> $\times$   6  <br> 1 6 4 4 6 <br>  4 2   | Expanded long multiplication | Long multiplication |
| Y6 |  | Pupils practise addition, subtraction, multiplication and division for larger numbers, using the formal written methods of columnar addition and subtraction, short and long division. <br> Pupils round answers to a specified degree of accuracy. |  | Expanded long multiplication $\begin{aligned} & 256 \times 18=4608 \\ & \text { (estimate } 250 \times 20= \\ & 5000 \text { ) } \\ & \times \begin{array}{r} 256 \\ \times \frac{18}{2560} \\ \frac{2048}{4608} \\ \hline \end{array} \end{aligned}$ | Long multiplication | Long multiplication <br> $4.7 \times 8=37.6$ <br> (estimate $5 \times 8=40$ ) <br> 4.7 <br> x $\frac{8}{\frac{37.6}{6}}$ | Multiplication grids $5.65 \times 9=50.85$ <br> (estimate $6 \times 9=54$ ) |

Division

|  | Statutory Guidance | Non-Statutory Guidance | Problem Solving | Calculation Progression |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| YR | Children ... solve problems, including doubling, halving and sharing. <br> [Expected] <br> They solve practical problems that involve sharing into equal groups. [Exceeding] |  |  | Practical / <br> recorded <br> using ICT <br> (eg digital <br> photos/pictures <br> on IWB) 6 cakes <br>  6 cakes | Pictures/Objects <br> 6 cakes shared between 2 <br> 6 cakes put into groups of 2 <br> 定 |  | Symbolic <br> 6 cakes shared between 2 <br> 6 cakes put into groups of 2 |  |  |
| Y1 |  | Through grouping and sharing small quantities, pupils begin to understand; multiplication and division; doubling numbers and quantities; and finding simple fractions of objects, numbers and quantities. <br> They make connections between arrays, number patterns, and counting in twos, fives and tens. | Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. | Practical/recorded using ICT <br> There are 14 people on the bus. Half of them get off. <br> How many remain on the bus? <br> There are 20 people in the class. One quarter are boys. How many boys are there? | Picture <br> Four eg How m you ne eggs? | /Symbolic <br> s fit in a box. ny boxes would do pack 20 | Visual (modelled using bead strings)$15 \div 5=3$ |  | Arrays $\begin{aligned} & 15 \div 3=5 \\ & 1 \bigcirc \\ & 2 \end{aligned}$ |
| Y2 | Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication ( x ), division ( $\div$ ) and equal (=) signs. | Pupils use a variety of language to describe multiplication and division. <br> Pupils work with a range of materials and contexts in which multiplication and division relate to grouping and sharing discrete and continuous quantities, to arrays and to repeated addition. They begin to relate these to fractions and measures. They use commutativity and inverse relations to develop multiplicative reasoning. | Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. | Visual (modelled using bead strings)$18 \div 3=6$ |  | Arrays <br> $24 \div 4=6 \quad$ Find $1 / 4$ of 24 |  | Chu <br> $30 \div$ <br> $10 \times$ <br> $5 \times$ | $\begin{aligned} & \text { ng } \\ & =15 \\ & 30 \\ & 20 \\ & 10 \\ & 10 \\ & 0 \end{aligned}$ |


|  | Statutory Guidance | Non-Statutory Guidance | Problem Solving | Calculation Progression |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Y3 | Write and calculate mathematical statement division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. formal written methods. | Pupils develop efficient mental methods, for example, using multiplication and division facts to derive related facts. facts. <br> Pupils develop reliable written methods for multiplication and division, starting with calculations of two-digit numbers by one-digit numbers and one-digit numbers and progressing to the formal written methods of short multiplication and division. <br> Pupils solve simple problems in contexts, deciding which of the four operations to use and why, including measuring and scaling contexts, and correspondence problems connected to n objects. | Solve problems, including missing number problem involving multipipication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects | Arrays <br> $24 \div 4=6$ <br> Find $1 / 4$ of 24 | Chunking $51 \div 3=17$ $51$ $10 \times 3=30$ $21$ $7 \times 3=21$ |  | Short division $\begin{array}{r} 98 \div 7=14 \\ \mathbf{1} \quad 4 \\ 7 \begin{array}{\|cr} 2 & 8 \end{array} \end{array}$ |
| Y4 |  | Pupils practise to become method of short <br> multiplication and short answers. <br> Pupils write statements about the equality of expressions, They combine their knowledge of number facts and rules of arithmetic to solve calculations. <br> Pupils solve two-step problems in contexts, choosing the appropriate operation, working with increasingly harder numbers. This should include correspondence questions such as the meal on a menu, or three cakes shared equally between 10 children between 10 children. | Solve problems involving including using the distributive law to multiply two-digit numbers by onedigit, integer scaling problems and harder correspondence problems such as nobjects are connected to m objects. connected to m objects | Chunking $\begin{array}{r} 252 \div 7=36 \\ 252 \\ 30 \times 7=210 \\ 42 \\ 6 \times 7=42 \end{array}$ |  | Short division $\begin{array}{r} 36 \\ 7 \begin{array}{\|c} 22^{2} 42 \end{array} \end{array}$ | $252 \div 7=36$ |


|  | Statutory Guidance | Non-Statutory Guidance | Problem Solving | Calculation Progression |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Y5 | Divide numbers up to 4 digits by a onedigit number using the formal written method of short division and interpret remainders appropriately for the context. | Pupils practise and extend their use of the formal written methods of short multiplication and short division. They apply all the multiplication tables and related division facts frequently, commit them to memory and use them confidently to make larger calculations. <br> Pupils use multiplication and division as inverses to support the introduction of ratio in Y6, for example, by multiplying and dividing by powers of 10 in scale drawings or by multiplying and dividing by powers of a 100 in converting between units such as $\mathrm{km} / \mathrm{m}$. <br> Pupils use and explain the equals sign to indicate equivalence, including in missing number problems. | Solve problems involving <br> multiplication and division including using their knowledge of factors and multiples, squares and cubes. <br> Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign. <br> Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates. | Chunking $\begin{gathered} 346 \div 8=43 \mathrm{r} 2 \\ \text { (estimate }>40,<50 \text { ) } \\ 346 \\ 40 \times 8=320 \\ 26 \\ 3 \times 8=24 \end{gathered}$ |  | Short division $\begin{array}{r} 8520 \div 6=1420 \\ 1420 \\ 68^{2} 5^{1} 20 \end{array}$ |  |
| Y6 | Divide numbers up to 4 digits by a twodigit whole number using the formal written method of interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context <br> Divide numbers up to 4 digits by a twodigit number using the formal written method <br> of short division where appropriate, interpreting remainders according to the context | Pupils practise addition, subtraction, multiplication and division for larger numbers, using the formal written methods of columnar addition and subtraction, short and long division. <br> Pupils round answers to a specified degree of accuracy. |  | Chunking (mental) $43.4 \div 7=6.2$ <br> (estimate $42 \div 7=6$ ) $\begin{aligned} & 6 \times 7=42 \\ & 0.2 \times 7=1.4 \end{aligned}$ | Short division (decimals) $\begin{gathered} 43.68 \div 7=6.24 \\ \text { (estimate: } 42 \div 7=6 \text { ) } \\ 6.24 \\ 7 \longdiv { 4 3 . . ^ { 1 } 6 ^ { 2 } } \end{gathered}$ | Short division $496 \div 11$ <br> (estimate $500 \div 10=$ 50) <br> Answer: $45 \frac{1}{11}$ | Long division $432 \div 15=28.8$ <br> 1 $5 \begin{array}{cccc}  & 2 & 8 & 8 \\ \hline 4 & 3 & 2 & 0 \\ 3 & 0 & \downarrow & \\ \hline 1 & 3 & 2 & \\ 1 & 2 & 0 & \downarrow \\ \hline & 1 & 2 & 0 \\ & 1 & 2 & 0 \\ \hline & & & 0 \end{array}$ |

