

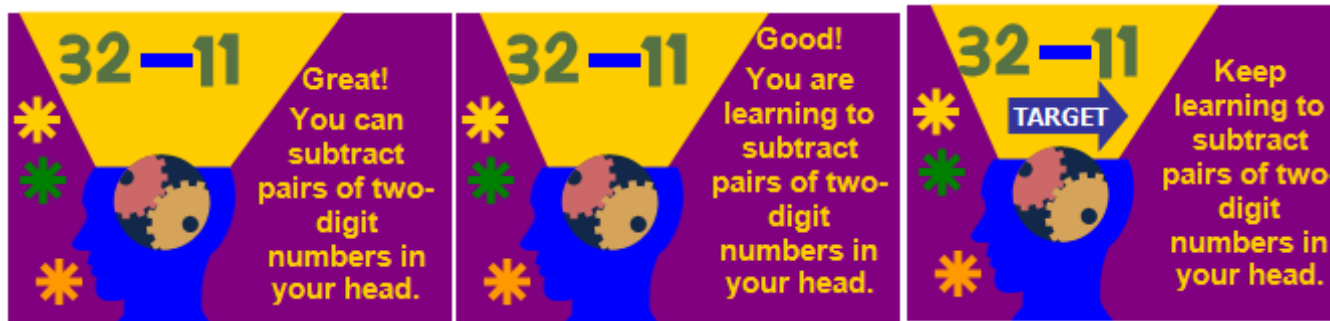
EFFECTIVE MATHS

Marking stickers to support the assessment of addition and subtraction

All marking stickers are printed onto L7161 (Avery A4/A5 Address Labels). There are eighteen labels per sheet. So you will need two sheets to mark the books of a class of 30 children. The stickers are differentiated three ways:




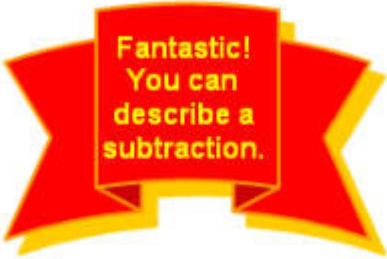
- The first nine labels on the sheet say, 'Excellent/Brilliant! You can...'
- The next six labels say, 'Good. You are learning to...'
- The last three labels have a target arrow on and say, 'Keep learning to...'

So each sheet of labels has three versions of the sticker:


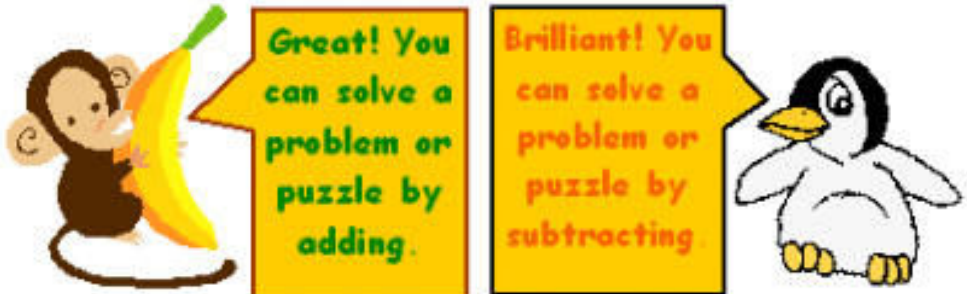





You can see examples of sheets of marking stickers here: <http://effectivemaths.co.uk/#/marking-stickers/4580800376>

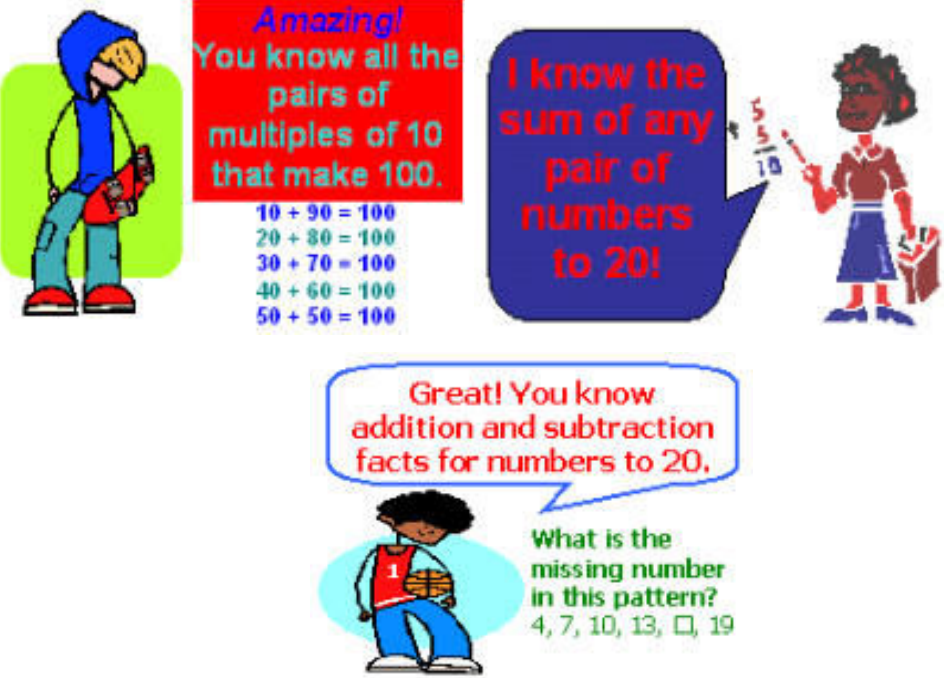
To reduce the size of this document, we have only included examples of the 'Brilliant! You can...' stickers.




Year	Links to the National Curriculum for maths	Marking stickers
Year 1		
1	<p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</p>	<div style="text-align: center;">  <p>Brilliant! You can use the + sign and the = sign when you write addition sentences.</p>  <p>Great! You can use the - sign and the = sign when you write subtraction sentences.</p> </div> <div style="text-align: center; margin-top: 20px;">  <p>Great! You can describe an addition.</p>  <p>Fantastic! You can describe a subtraction.</p> </div>


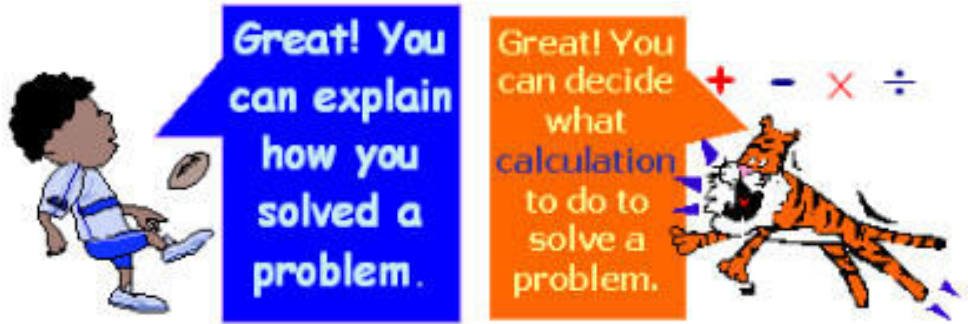
Year	Links to the National Curriculum for maths	Marking stickers
		<div data-bbox="1115 316 1294 539" data-label="Image"> </div> <div data-bbox="1294 316 1496 547" data-label="Text"> <p>Brilliant! You can record an addition number sentence and explain what it means.</p> </div> <div data-bbox="1518 300 1697 539" data-label="Image"> </div> <div data-bbox="1697 300 1899 531" data-label="Text"> <p>Wonderful! You can record a subtraction number sentence and explain what it means.</p> </div>
1	Represent and use number bonds and related subtraction facts within 20	<div data-bbox="1070 671 1256 855" data-label="Image"> </div> <div data-bbox="1256 663 1503 855" data-label="Text"> <p>Brilliant! You know the pairs of numbers that total 10.</p> </div> <div data-bbox="1088 855 1485 935" data-label="Equation-Block"> <p> $1 + 9 = 10$ ♦ $2 + ? = 10$ $3 + ? = 10$ ♦ $4 + 6 = 10$ </p> </div> <div data-bbox="1525 639 1720 815" data-label="Text"> <p>Great! You know which pairs of numbers make 20.</p> </div> <div data-bbox="1525 815 1686 919" data-label="Equation-Block"> <p> $11 + \diamond = 20$ $8 + \diamond = 20$ $13 + 7 = \diamond$ </p> </div> <div data-bbox="1727 632 1939 927" data-label="Image"> </div> <div data-bbox="1070 1046 1335 1334" data-label="Text"> <p>I know the sum of any pair of numbers to 20!</p> </div> <div data-bbox="1335 1062 1503 1334" data-label="Image"> </div> <div data-bbox="1525 1015 1944 1158" data-label="Text"> <p>Great! You know addition and subtraction facts for numbers to 20.</p> </div> <div data-bbox="1514 1142 1693 1334" data-label="Image"> </div> <div data-bbox="1727 1174 1944 1302" data-label="Text"> <p>What is the missing number in this pattern? 4, 7, 10, 13, □, 19</p> </div>



Year	Links to the National Curriculum for maths	Marking stickers
1	Add and subtract one-digit and two-digit numbers to 20, including 0	
1	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$	


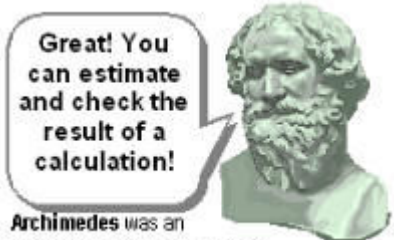
Year	Links to the National Curriculum for maths	Marking stickers
Year 2		
2	<p>Show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot</p> <p>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems</p>	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="background-color: #800080; color: white; padding: 10px; width: 30%;"> <p>$6 + 3 = 9$</p> <p>so</p> <p>$9 - 3 = 6$</p> <p>and</p> <p>$9 - 6 = 3$</p> </div> <div style="background-color: #008080; color: white; padding: 10px; width: 30%;"> <p>Great! You understand that subtraction is the inverse of addition.</p> </div> <div style="text-align: center;">  </div> <div style="background-color: #000080; color: white; padding: 10px; width: 30%;"> <p>Excellent! You know when it is easier to use addition to work out a subtraction.</p> </div> <div style="background-color: #ff0000; color: white; padding: 10px; width: 30%;"> <p>Superb! You can work out the missing number in a number sentence.</p> </div> <div style="background-color: #800080; color: white; padding: 10px; width: 30%;"> <p>Can you find the missing numbers?</p> <p>$14 + \square = 35$</p> <p>$15 + \square = 40$</p> <p>$16 + \square = 45$</p> </div> <div style="border: 2px solid #ff0000; padding: 10px; width: 30%;"> <p>Great! You can check the answer to an addition by doing a related subtraction.</p> </div> </div>
2	<p>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</p>	<div style="display: flex; align-items: center; justify-content: space-around;"> <div style="text-align: center;">  </div> <div style="background-color: #ffcc00; border-radius: 15px; padding: 10px; text-align: center;"> <p>Brilliant! You know the pairs of numbers that total 10.</p> </div> <div style="text-align: center;">  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>$1 + 9 = 10$</p> <p>$3 + ? = 10$</p> </div> <div style="text-align: center;"> <p>$2 + ? = 10$</p> <p>$4 + 6 = 10$</p> </div> <div style="text-align: center;"> <p>Great! You know which pairs of numbers make 20.</p> <p>$11 + \blacklozenge = 20$</p> <p>$8 + \blacklozenge = 20$</p> <p>$13 + 7 = \blacklozenge$</p> </div> </div>


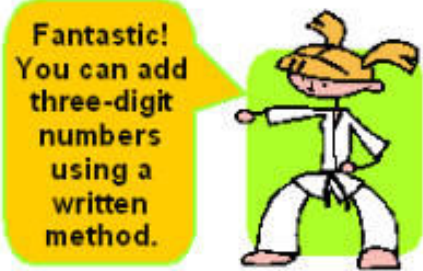
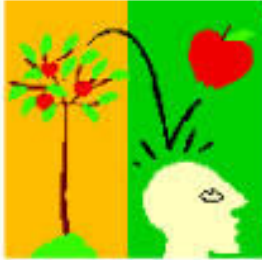

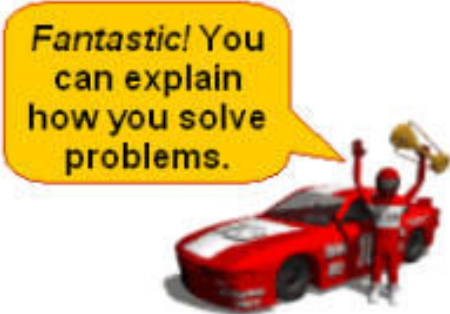

Year	Links to the National Curriculum for maths	Marking stickers
		 <p>Amazing! You know all the pairs of multiples of 10 that make 100.</p> <p>10 + 90 = 100 20 + 80 = 100 30 + 70 = 100 40 + 60 = 100 50 + 50 = 100</p> <p>I know the sum of any pair of numbers to 20!</p> <p>Great! You know addition and subtraction facts for numbers to 20.</p> <p>What is the missing number in this pattern? 4, 7, 10, 13, □, 19</p>
2	<p>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> • a two-digit number and 1s • a two-digit number and 10s • 2 two-digit numbers • adding 3 one-digit numbers 	<p>Two-digit number and 1s</p>

Year	Links to the National Curriculum for maths	Marking stickers
		<p data-bbox="1003 280 1460 427">Brilliant! You can add or subtract a one-digit number to or from a two-digit number!</p> <div data-bbox="1003 427 1205 625">  </div> <p data-bbox="1227 427 1451 609">Wilf has 68p in his money bank. He adds another 5p. How much is in his money bank now?</p> <p data-bbox="967 762 1361 794">Two-digit number and 10s</p> <div data-bbox="1025 826 1370 1145">  </div> <p data-bbox="1272 826 1482 986">Outstanding! You can add 20 to a number.</p> <div data-bbox="1550 833 1765 1152">  </div> <p data-bbox="1774 849 1998 1129">Amazing! You can add numbers like 10, 20 or 30 to any number up to 50.</p> <p data-bbox="967 1232 1272 1264">2 two-digit numbers</p>


Year	Links to the National Curriculum for maths	Marking stickers
		 <p>Fantastic! You can add two 2-digit numbers.</p>
2	<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>Great! You can explain how you solved a problem.</p> <p>Great! You can decide what calculation to do to solve a problem.</p> <p>+ - × ÷</p>

Year	Links to the National Curriculum for maths	Marking stickers
		 <p data-bbox="1176 276 1482 619">Great! You can use what it says in a problem to work out what sum to do.</p> <p data-bbox="1507 276 1749 619">Fantastic! You know what information you need to use to solve a problem.</p> 

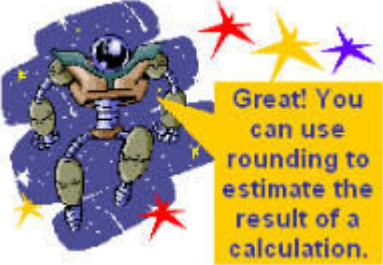

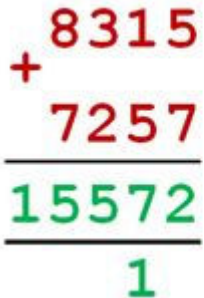
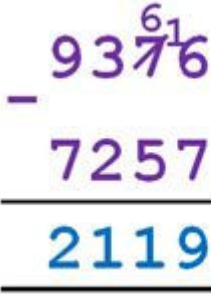

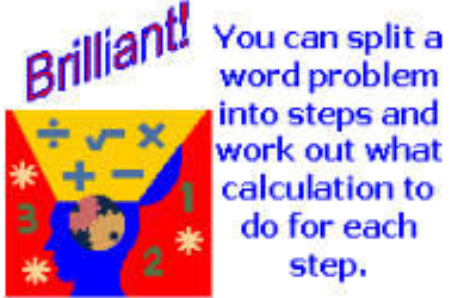
Year	Links to the National Curriculum for maths	Marking stickers
Year 3		
3	Estimate the answer to a calculation and use inverse operations to check answers	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>157 + 32</p>  </div> <div style="text-align: center;"> <p>Brilliant!</p> <p>You can make logical estimates.</p> </div> <div style="text-align: center;"> <p>Great! You can estimate and check the result of a calculation!</p>  <p><small>Archimedes was an ancient Greek mathematician</small></p> </div> </div>
3	Continue work on number facts, including derived facts (This is our suggestion – it is not part of the NC)	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #1a3d54; color: white; padding: 10px; text-align: center;"> <p>Outstanding!</p> <p>You can apply your knowledge of addition and subtraction facts and place value.</p> </div> <div style="background-color: #e0f7fa; padding: 10px;"> <p>$8 - 3 = 5$ so $80 - 30 = 50$ so $86 - 36 = 50$</p> </div> </div>
3	Add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Brilliant!</p> <p>You can add numbers using the column method.</p> $\begin{array}{r} + 835 \\ + 786 \\ \hline 1621 \\ + 11 \\ \hline \end{array}$ </div> <div style="text-align: center;"> <p>Fantastic!</p> <p>You can subtract numbers using the column method.</p> $\begin{array}{r} - 14517 \\ - 39 \\ \hline 118 \end{array}$ </div> </div>


Year	Links to the National Curriculum for maths	Marking stickers
		 <p>Fantastic! You can add two 2-digit numbers.</p>  <p>Fantastic! You can add three-digit numbers using a written method.</p>
3	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	 <p>Brilliant! You can solve problems using numbers, pictures and diagrams.</p>  <p>Great! You can draw pictures/ make notes to help solve problems.</p>  <p>Fantastic! You can explain how you solve problems.</p>  <p>Great! You can use a range of strategies to help you answer problems!</p>

Year	Links to the National Curriculum for maths	Marking stickers
		<div data-bbox="1003 276 1326 475"> $36 + 26 =$ $30 + 20$ $6 + 6$ $50 + 12 =$ 62 </div> <div data-bbox="1227 284 1460 625"> </div> <div data-bbox="981 475 1339 635"> <p>Excellent! You can record how you work out a calculation showing each step.</p> </div> <div data-bbox="1534 347 1809 635"> </div> <div data-bbox="1803 306 2033 609"> <p>Brilliant! You can test examples to follow an enquiry about numbers.</p> </div>

Year	Links to the National Curriculum for maths	Marking stickers
Year 4		
4	Estimate and use inverse operations to check answers to a calculation	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>2,157 + 1,132</p>  <p>2,157 is close to 2,160. 1,132 is close to 1,130.</p> </div> <div style="text-align: center;"> <p>Excellent!</p> <p>You can make logical estimates.</p> </div> </div>
4	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> $\begin{array}{r} 8315 \\ + 7257 \\ \hline 15572 \\ \hline 1 \end{array}$ <p>Terrific!</p> <p>You can add numbers using the column method.</p> </div> <div style="text-align: center;"> $\begin{array}{r} 9376 \\ - 7257 \\ \hline 2119 \end{array}$ <p>Brilliant!</p> <p>You can subtract numbers using the column method.</p> </div> </div>

Year	Links to the National Curriculum for maths	Marking stickers
4	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	<div data-bbox="981 300 1267 576"> </div> <div data-bbox="1294 288 1442 600"> <p>Wow! Great problem solving. Well done!</p> </div> <div data-bbox="1480 363 1742 584"> </div> <div data-bbox="1749 347 2024 619"> <p>Great work! You have represented the problem/s really well!</p> </div> <div data-bbox="981 676 1189 1011"> </div> <div data-bbox="1196 691 1473 951"> <p>Excellent! You can write down number sentences to help you solve a problem.</p> </div> <div data-bbox="1514 655 1749 991"> <p>Brilliant! You can work out how to solve problems with one or two steps!</p> </div> <div data-bbox="1749 740 2033 1002"> </div>

Year	Links to the National Curriculum for maths	Marking stickers	
Year 5			
5	Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy	 	
5	Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)	 <p data-bbox="1326 678 1473 976">Terrific! You can add numbers using the column method.</p>  <p data-bbox="1787 678 1935 976">Brilliant! You can subtract numbers using the column method.</p>	
5	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	 	

Year	Links to the National Curriculum for maths	Marking stickers
		
Year 6		
No stickers specifically for addition and subtraction. Use stickers from earlier year groups.		