

# DOUBLE BRACKETS - TASK

<p>Work out an expression for the area</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;"> <math>x</math> <math>+12</math> </div> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;"><math>x</math></td> <td style="padding: 5px;"><math>+5</math></td> </tr> <tr> <td style="width: 50px; height: 50px;"></td> <td style="width: 50px; height: 50px;"></td> </tr> </table> </div>	$x$	$+5$			<p>Work out an expression for the area</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;"> <math>x</math> <math>+4</math> </div> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;"><math>x + 7</math></td> </tr> <tr> <td style="width: 100px; height: 50px;"></td> </tr> </table> </div>	$x + 7$		<p>Work out an expression for the area</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;"> <math>x - 5</math> </div> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;"><math>x - 2</math></td> </tr> <tr> <td style="width: 100px; height: 50px;"></td> </tr> </table> </div>	$x - 2$					
$x$	$+5$													
$x + 7$														
$x - 2$														
<p>Expand and simplify</p> <p style="text-align: center;"><math>(x + 2)(x - 6)</math></p>	<p>Expand and simplify</p> <p style="text-align: center;"><math>(2x - 1)(5 - x)</math></p>	<p>Expand and simplify</p> <p style="text-align: center;"><math>(3x - 1)(3x + 1)</math></p>												
<p>Work out an expression for the area</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;"> <math>2x</math> <math>+3</math> </div> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;"><math>x</math></td> <td style="padding: 5px;"><math>+3y</math></td> <td style="padding: 5px;"><math>+4</math></td> </tr> <tr> <td style="width: 50px; height: 50px;"></td> <td style="width: 50px; height: 50px;"></td> <td style="width: 50px; height: 50px;"></td> </tr> </table> </div>	$x$	$+3y$	$+4$				<p>Work out an expression for the area</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;"> <math>x</math> <math>+3y</math> </div> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;"><math>2x</math></td> <td style="padding: 5px;"><math>+5y</math></td> <td style="padding: 5px;"><math>-1</math></td> </tr> <tr> <td style="width: 100px; height: 50px;"></td> </tr> </table> </div>	$2x$	$+5y$	$-1$		<p>Work out an expression for the area</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;"> <math>2x - 1</math> </div> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;"><math>3x - 2y + 5</math></td> </tr> <tr> <td style="width: 100px; height: 50px;"></td> </tr> </table> </div>	$3x - 2y + 5$	
$x$	$+3y$	$+4$												
$2x$	$+5y$	$-1$												
$3x - 2y + 5$														
<p>Expand and simplify</p> <p style="text-align: center;"><math>(4x + 5)(2x - 3y + 5)</math></p>	<p>Expand and simplify</p> <p style="text-align: center;"><math>(4 - 2y)(2x - 2y + 7)</math></p>	<p>Expand and simplify</p> <p style="text-align: center;"><math>(2x - 5)(8 - 3x - 2y)</math></p>												
<p>Work out an expression for the area</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;"> <math>2x + 3</math> </div> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;"><math>3x + 1</math></td> </tr> <tr> <td style="width: 150px; height: 50px;"></td> </tr> <tr> <td style="padding: 5px;"><math>5</math></td> </tr> <tr> <td style="padding: 5px;"><math>3</math></td> </tr> </table> </div>		$3x + 1$		$5$	$3$	<p>Show that these two shapes have the same area</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; justify-content: center; margin-bottom: 20px;"> <div style="margin-right: 10px;"> <math>3x - 4</math> </div> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;"><math>2x + 1</math></td> </tr> <tr> <td style="width: 100px; height: 50px;"></td> </tr> <tr> <td style="padding: 5px;"><math>2</math></td> </tr> <tr> <td style="padding: 5px;"><math>5</math></td> </tr> </table> </div> <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;"> <math>x - 2</math> </div> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;"><math>6x + 7</math></td> </tr> <tr> <td style="width: 150px; height: 50px;"></td> </tr> </table> </div> </div>	$2x + 1$		$2$	$5$	$6x + 7$			
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