



Area of a Part Rectangle - Areas and Full Side Length to Part Side Length

<p>1 The full rectangle's area is 8. The area that is filled in is 4. What is the width of the part side?</p> <p style="text-align: center;">$w=4$</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> $A_{full} = 8$ $A_{part} = 4$ </div> <p style="text-align: center;">$w=?$</p>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>A</td><td>B</td><td>C</td></tr> <tr><td>3</td><td>2</td><td>6</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>1</td><td>7</td><td>8</td></tr> </table>	A	B	C	3	2	6	D	E	F	1	7	8	<p>2 The full rectangle's area is 40. The area that is filled in is 20. What is the width of the part side?</p> <p style="text-align: center;">$w=8$</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> $A_{full} = 40$ $A_{part} = 20$ </div> <p style="text-align: center;">$w=?$</p>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>A</td><td>B</td><td>C</td></tr> <tr><td>10</td><td>6</td><td>4</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>12</td><td>3</td><td>7</td></tr> </table>	A	B	C	10	6	4	D	E	F	12	3	7
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<p>3 The full rectangle's area is 96. The area that is filled in is 72. What is the width of the part side?</p> <p style="text-align: center;">$w=12$</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> $A_{full} = 96$ $A_{part} = 72$ </div> <p style="text-align: center;">$w=?$</p>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>A</td><td>B</td><td>C</td></tr> <tr><td>18</td><td>10</td><td>1</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>9</td><td>4</td><td>13</td></tr> </table>	A	B	C	18	10	1	D	E	F	9	4	13	<p>4 The full rectangle's area is 60. The area that is filled in is 30. What is the width of the part side?</p> <p style="text-align: center;">$w=10$</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> $A_{full} = 60$ $A_{part} = 30$ </div> <p style="text-align: center;">$w=?$</p>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>A</td><td>B</td><td>C</td></tr> <tr><td>12</td><td>1</td><td>13</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>3</td><td>2</td><td>5</td></tr> </table>	A	B	C	12	1	13	D	E	F	3	2	5
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<p>7 The full rectangle's area is 70. The area that is filled in is 56. What is the width of the part side?</p> <p style="text-align: center;">$w=14$</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> $A_{full} = 70$ $A_{part} = 56$ </div> <p style="text-align: center;">$w=?$</p>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>A</td><td>B</td><td>C</td></tr> <tr><td>5</td><td>6</td><td>8</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>7</td><td>2</td><td>13</td></tr> </table>	A	B	C	5	6	8	D	E	F	7	2	13	<p>8 The full rectangle's area is 32. The area that is filled in is 16. What is the width of the part side?</p> <p style="text-align: center;">$w=8$</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> $A_{full} = 32$ $A_{part} = 16$ </div> <p style="text-align: center;">$w=?$</p>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>A</td><td>B</td><td>C</td></tr> <tr><td>1</td><td>11</td><td>9</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>10</td><td>2</td><td>4</td></tr> </table>	A	B	C	1	11	9	D	E	F	10	2	4
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