



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

<p><b>1</b> The full rectangle's area is 128. The area that is filled in is 96. What is the width of the full side? w=?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <math>A_{full} = 128</math>  <math>A_{part} = 96</math> </div> <p>w=12</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>16</td><td>6</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>10</td><td>21</td><td>17</td></tr> </table>	A	B	C	18	16	6	D	E	F	10	21	17	<p><b>2</b> The full rectangle's area is 40. The area that is filled in is 20. What is the width of the full side? w=?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <math>A_{full} = 40</math>  <math>A_{part} = 20</math> </div> <p>w=4</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>10</td><td>8</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>17</td><td>3</td><td>7</td></tr> </table>	A	B	C	12	10	8	D	E	F	17	3	7
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<p><b>3</b> The full rectangle's area is 105. The area that is filled in is 42. What is the width of the full side? w=?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <math>A_{full} = 105</math>  <math>A_{part} = 42</math> </div> <p>w=6</p>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>A</td><td>B</td><td>C</td></tr> <tr><td>23</td><td>24</td><td>17</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>13</td><td>15</td><td>6</td></tr> </table>	A	B	C	23	24	17	D	E	F	13	15	6	<p><b>4</b> The full rectangle's area is 80. The area that is filled in is 16. What is the width of the full side? w=?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <math>A_{full} = 80</math>  <math>A_{part} = 16</math> </div> <p>w=2</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>13</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>1</td><td>16</td><td>4</td></tr> </table>	A	B	C	10	6	13	D	E	F	1	16	4
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<p><b>5</b> The full rectangle's area is 96. The area that is filled in is 24. What is the width of the full side? w=?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <math>A_{full} = 96</math>  <math>A_{part} = 24</math> </div> <p>w=3</p>	<table border="1" style="width: 100%; text-align: center;"> <tr><td>A</td><td>B</td><td>C</td></tr> <tr><td>20</td><td>3</td><td>8</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>9</td><td>12</td><td>10</td></tr> </table>	A	B	C	20	3	8	D	E	F	9	12	10	<p><b>6</b> The full rectangle's area is 72. The area that is filled in is 18. What is the width of the full side? w=?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <math>A_{full} = 72</math>  <math>A_{part} = 18</math> </div> <p>w=3</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>4</td><td>17</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>21</td><td>5</td><td>19</td></tr> </table>	A	B	C	12	4	17	D	E	F	21	5	19
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