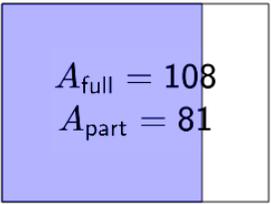
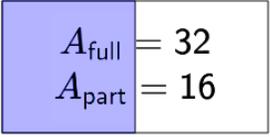
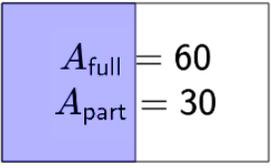
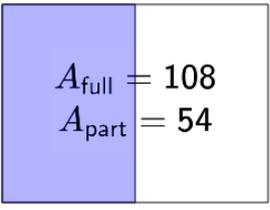
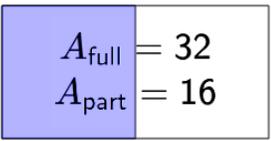
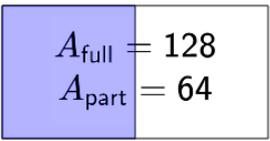
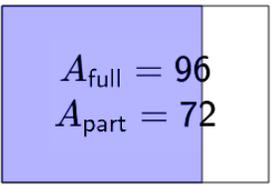
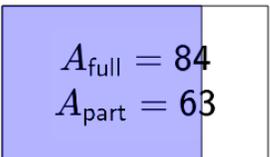




Area of a Part Rectangle - Areas and Part Side Length to Full Side Length

<p>1 The full rectangle's area is 108. The area that is filled in is 81. What is the width of the full side?</p>  <p>$A_{full} = 108$ $A_{part} = 81$ $w=9$</p>	<table border="1"> <tr><td>A</td><td>B</td><td>C</td></tr> <tr><td>9</td><td>5</td><td>2</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>12</td><td>14</td><td>17</td></tr> </table>	A	B	C	9	5	2	D	E	F	12	14	17	<p>2 The full rectangle's area is 32. The area that is filled in is 16. What is the width of the full side?</p> <p>$w=?$</p>  <p>$A_{full} = 32$ $A_{part} = 16$ $w=4$</p>	<table border="1"> <tr><td>A</td><td>B</td><td>C</td></tr> <tr><td>4</td><td>10</td><td>13</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>15</td><td>8</td><td>9</td></tr> </table>	A	B	C	4	10	13	D	E	F	15	8	9
A	B	C																									
9	5	2																									
D	E	F																									
12	14	17																									
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4	10	13																									
D	E	F																									
15	8	9																									
<p>3 The full rectangle's area is 60. The area that is filled in is 30. What is the width of the full side?</p> <p>$w=?$</p>  <p>$A_{full} = 60$ $A_{part} = 30$ $w=5$</p>	<table border="1"> <tr><td>A</td><td>B</td><td>C</td></tr> <tr><td>10</td><td>18</td><td>6</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>19</td><td>13</td><td>9</td></tr> </table>	A	B	C	10	18	6	D	E	F	19	13	9	<p>4 The full rectangle's area is 108. The area that is filled in is 54. What is the width of the full side?</p>  <p>$A_{full} = 108$ $A_{part} = 54$ $w=6$</p>	<table border="1"> <tr><td>A</td><td>B</td><td>C</td></tr> <tr><td>14</td><td>15</td><td>6</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>18</td><td>21</td><td>12</td></tr> </table>	A	B	C	14	15	6	D	E	F	18	21	12
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A	B	C																									
16	8	17																									
D	E	F																									
12	24	20																									
<p>7 The full rectangle's area is 96. The area that is filled in is 72. What is the width of the full side?</p> <p>$w=?$</p>  <p>$A_{full} = 96$ $A_{part} = 72$ $w=9$</p>	<table border="1"> <tr><td>A</td><td>B</td><td>C</td></tr> <tr><td>10</td><td>12</td><td>16</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>2</td><td>21</td><td>4</td></tr> </table>	A	B	C	10	12	16	D	E	F	2	21	4	<p>8 The full rectangle's area is 84. The area that is filled in is 63. What is the width of the full side?</p> <p>$w=?$</p>  <p>$A_{full} = 84$ $A_{part} = 63$ $w=9$</p>	<table border="1"> <tr><td>A</td><td>B</td><td>C</td></tr> <tr><td>20</td><td>13</td><td>11</td></tr> <tr><td>D</td><td>E</td><td>F</td></tr> <tr><td>2</td><td>3</td><td>12</td></tr> </table>	A	B	C	20	13	11	D	E	F	2	3	12
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