

# Algebra

## A028-Perimeter & Area Problems - Quadrilaterals



Solve each problem algebraically.

<p><b>1.</b> The area of a rectangle is 64 and the width is 4. What is the length?</p> <p>A) 8                                      C) 7 B) 16                                      D) 9</p>	<p><b>6.</b> The length of a rectangle is 4 more than the width. If the area of the rectangle is 32, what is the width?</p> <p>A) 4                                      C) 26 B) 8                                      D) 6</p>
<p><b>2.</b> The area of a rectangle is 120 and the length is 24. What is the width?</p> <p>A) 5                                      C) 6 B) 2                                      D) 3</p>	<p><b>7.</b> The length of a rectangle is 3 times as long as the width. If the area of the rectangle is 48, what is the width?</p> <p>A) 8                                      C) 24 B) 5                                      D) 4</p>
<p><b>3.</b> The area of a square is 81. What is the measure of one of the sides?</p> <p>A) 9                                      C) 7 B) 8                                      D) 3</p>	<p><b>8.</b> The length of a rectangle is 4 less than double the width. The area of the rectangle is 96. What is the length?</p> <p>A) 4                                      C) 12 B) 8                                      D) 16</p>
<p><b>4.</b> The perimeter of a rectangle is 32 and the length is 10. What is the width?</p> <p>A) 22                                      C) 4 B) 3                                      D) 6</p>	<p><b>9.</b> The base of a parallelogram is 5 more than twice the height. The area of the parallelogram is 52. What is the base?</p> <p>A) 4                                      C) 13 B) 8                                      D) 6</p>
<p><b>5.</b> The area of a rectangle is 50 and the width is 4. What is the length?</p> <p>A) 8.5                                      C) 12.5 B) 200                                      D) 6</p>	<p><b>10.</b> The length of a rectangle is 2 more than three times its width. The perimeter of the rectangle is 52. What is the area of the rectangle?</p> <p>A) 18                                      C) 6 B) 120                                      D) 42</p>