

PERIMETER PROBLEM SOLVING

1. The perimeter of a rectangle is 900 m. The length is fifteen less than four times the width. What are the dimensions?

_____ , _____
length width

2. The perimeter of a pentagon is 265 cm.
The first side is eight less than twice the fifth.
The fourth side is two more than the first.
The second is five less than three times the first.
The fifth side is one less than a number.
The third side is half the first side.
What are the dimensions?

_____ , _____ , _____ , _____ , _____

3. The perimeter of a regular octagon is 288 feet.
What are the dimensions of the octagon?

_____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

PERIMETER PROBLEM SOLVING

1. The perimeter of an "x-agon" is 277 meters.
The fourth side is a third of the second side.
The fifth side is one more than twice the fourth side.
The first side is twice the third side.
The second side is twelve more than six times a number.
The seventh side is half the fourth side.
The third side is ten less than the fifth side.
The sixth side is five less than half the second side.
What are the dimensions of the x-agon?
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2. The perimeter of a rectangle is 38 inches. The width is twenty-five less than three times the width. What are the dimensions?

_____ , _____
length width

3. The perimeter of a regular hexagon is 192 yards. What is the length of each side?

_____ Yards

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1. The perimeter of an octagon is 237 cm.
The first side is one less than a number.
The second is five more than the first.
The third is twice the second.
The fourth is ten less than twice the third.
The fifth is half the fourth.
The sixth is four times the fifth.
The seventh is three less than the second.
The eighth is the difference of the sixth and third sides.
What are the dimensions?

_____, _____, _____, _____, _____, _____, _____, _____

2. The perimeter of a hexagon is 300 feet.
The first side is seven less than a number.
The second side is five more than the first.
The third side is three times the second.
The fourth side is sixteen more than twice the third.
The fifth side is the sum of the third and fourth sides.
The sixth side is the difference of the fifth and first sides.

_____, _____, _____, _____, _____, _____