

Inequalities Word Problem Worksheet

Answer.

- ① The sum of two consecutive even integers is at most 400. Find the pair of integers with the greatest sum.

Ans: 198 , 200

- ② The sum of two consecutive integers is less than 55. Find the pair of integers with the greatest sum.

Ans: 26 , 27

- ③ The sum of three consecutive odd integers is no less than 51. Find the middle integer.

Ans: 17

- ④ The length of a rectangle is 5cm less than twice its width. If the perimeter of the rectangle is no more than 80cm what are the maximum possible dimensions?

Ans: 15 , 25

- ⑤ Find two consecutive integers such that 7 times the smaller is less than 6 times the greater. Which is the greater of such integers?

Ans: 5 , 6