The sum of two numbers is 27. If one of the numbers is twice the other. What are the two numbers?

#1: $x$

#2: $2x$

#1 + #2 = 27

$x + 2x = 27$

$x + 2x = 27$

$\frac{3x}{3} = \frac{27}{3}$

$x = 9$

#1 = 9

#2 = 2(9) = 18

The first is 9 and the second number is 18.

Check $9 + 18 = 27$

$27 = 27$ ✓

The sum of two consecutive odd numbers is 32.

What are the two numbers?

one after the other.

#1: $x$

#2: $x+2$

$\#1 + \#2 = 32$

$x + (x+2) = 32$

$x + x + 2 = 32$

$2x + 2 = 32$

$-2 \quad -2$

$\frac{2x}{2} = \frac{30}{2}$

$x = 15$

#1: 15

#2 = 15 + 2 = 17

15, 17

Check $15 + 17 = 32$

$32 = 32$ ✓