

**Task:**

Jim has gotten scores of 64 and 98 on his first two tests. What score must he get on his third test to keep an average of 75 or greater?

**Solution:**

$$S_1 = 64$$

$$S_2 = 98$$

$$S_{avg} \geq 75$$

$$S_{avg} = \frac{S_1 + S_2 + S_3}{3}$$

$$\frac{S_1 + S_2 + S_3}{3} \geq 75$$

$$S_1 + S_2 + S_3 \geq 225$$

$$S_3 \geq 225 - S_1 - S_2$$

$$S_3 \geq 63$$

**Answer:**

Jim must get score of 63 or greater on his third test to keep an average of 75 or greater