

Answer on Question #67155 – Math – Algebra

Question

Wade has a test score of 77% on his first test and 65% on his second test. What must he score on a third test to have an average of at least 80% overall?

Given:

$$A = 77\%$$

$$B = 65\%$$

$$\text{Average} = 80\%$$

Find c

Solution

$$\text{Average} = \frac{A+B+C}{3};$$

$$C = 3 \cdot \text{Average} - A - B;$$

$$C = 3 \cdot 80 - 77 - 65 = 98\%.$$

Answer: Wade must score on the third test at least 98%.