

LSS Review

Avg = sum \div # of addends

$$A = S \div n \quad n = S \div A$$

$$S = A \times n$$

Jorge's average score on first 3 tests was 85%. His avg. on the next 5 tests was 80%. What was his avg. on all 8 tests?

$$\begin{aligned} A &= S \div 8 \\ A &= 655 \div 8 \\ 81.875\% & \\ 80 &= S \div 5 \\ S &= 80 \times 5 \\ &= 400 \\ 85 &= S \div 3 \\ S &= 85 \times 3 \\ &= 255 \\ &\swarrow \\ &655 \end{aligned}$$

After 3 tests, Kili's avg is 72%.
What must he score on his next test to avg. an 80%?

$$A = S \div N$$

$$80 = S \div 4$$

$$S = 80 \times 4$$

$$S = 320$$

$$72 = S \div 3$$

$$S = 72 \times 3$$

$$= 216$$

$$\begin{array}{r} 320 \\ - 216 \\ \hline 104 \end{array}$$

104%

Brenda has 2 part time jobs. She worked 20 hours at the bookstore for \$8.10 per hr. and 16 hours as a receptionist for \$9.00 per hr. what was her avg. rate of pay for both jobs?

$$\frac{\$}{\text{hr}} \quad \frac{\$306}{36\text{hr}} \quad \frac{\$8.10}{1\text{hr}} \cdot \frac{20\text{hr}}{1} = \$162$$

$$\frac{\$9.00}{1\text{hr}} \times \frac{16\text{hr}}{1} = \$144$$

$$36 \overline{) \$ 306}$$

$$\begin{array}{r} \$ 306 \\ \underline{36} \\ 153 \\ \underline{18} \end{array}$$