

Equation quizzes:

After you turn in your quiz take a sheet with the two problems and begin working on it.

You jog 6 mph and your friend jogs 8 mph. You both leave your house and jog in opposite directions. The total time spent running between you and your friend is $3\frac{1}{2}$ hours. When you both stop you are $23\frac{1}{2}$ miles apart. Find the time each of you spent jogging.

	Distance	=	Rate	•	Time

2. The perimeter of a Quadrilateral (a generic four-sided figure) is 95 inches. The longest side is five less than four times the shortest side. The second longest side is 14 less than the longest side. And the second shortest side is one less than three times the shortest side. Write and solve equations to find the length of the four sides.

