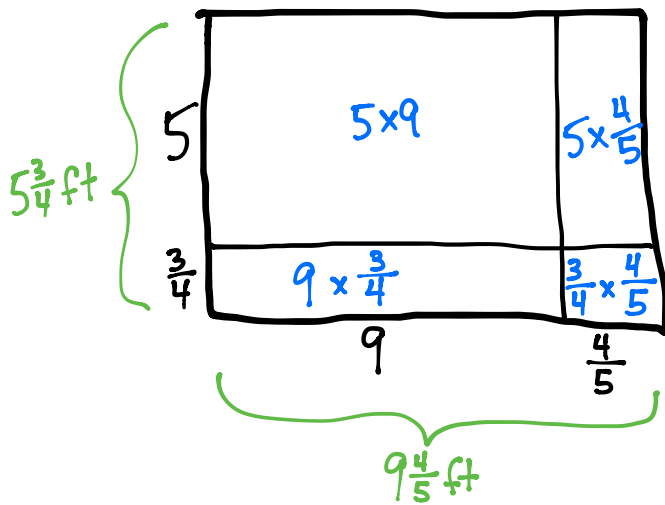Name _____   Date _____

Mr. Klimek made his wife a rectangular vegetable garden. The width is $5\frac{3}{4}$ ft, and the length is $9\frac{4}{5}$ ft. What is the area of the garden?

$5\frac{3}{4} \times 9\frac{4}{5}$

$= (5 \times 9) + \left(5 \times \frac{4}{5}\right) + \left(9 \times \frac{3}{4}\right) + \left(\frac{3}{4} \times \frac{4}{5}\right)$

$= 45 + \frac{20}{5} + \frac{27}{4} + \frac{12}{20}$

$= 45 + 4 + 6\frac{3}{4} + \frac{12}{20}$

$= 55\frac{3 \times 5}{4 \times 5} + \frac{12}{20}$

$= 55\frac{15}{20} + \frac{12}{20}$

$= 56\frac{7}{20}$ ft²

EUREKA MATH™

Lesson 14: Solve real-world problems involving area of figures with fractional side lengths using visual models and/or equations.

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