

Test 7—Question 3: Problem Solving

3 Sally is painting a wall that is 12 feet long and 8 feet high. She wants to know how long it will take her to paint the wall. So far, Sally has painted at a rate of 2 square feet per minute.

If Sally continues at the same rate, how long, in minutes, will it take her to paint the wall?

$$\begin{aligned}\text{Area of rectangle} &= lw \\ &= \text{length} \times \text{width}\end{aligned}$$

$$\begin{aligned}\text{time} &= \frac{A}{r} \\ &= \frac{\text{Area}}{\text{rate}}\end{aligned}$$

Show All Work

Answer _____ minutes