## Unit 3 Lesson 10 Cumulative Practice Problems

* 1. Find the unknown side length of the rectangle if its area is 11 m2. Show your reasoning.
	+ 
	1. Check your answer by multiplying it by the given side length ($3\frac{2}{3}$). Is the resulting product 11? If not, revise your previous work.
1. A worker is tiling the floor of a rectangular room that is 12 feet by 15 feet. The tiles are square with side lengths $1\frac{1}{3}$ feet. How many tiles are needed to cover the entire floor? Show your reasoning.
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1. The area of a rectangle is $17\frac{1}{2}$ in2 and its shorter side is $3\frac{1}{2}$ in. Draw a diagram that shows this information. What is the length of the longer side?
2. The triangle has an area of $7\frac{7}{8}$ cm2 and a base of $5\frac{1}{4}$ cm.
* What is the length of $h$? Explain your reasoning.
* 
1. Find the value of $\frac{5}{32}÷\frac{25}{4}$. Show your reasoning.
* (From Unit 3, Lesson 7.)
1. A builder is building a fence with $6\frac{1}{4}$-inch-wide wooden boards, arranged side-by-side with no gaps or overlaps. How many boards are needed to build a fence that is 150 inches long? Show your reasoning.
* (From Unit 3, Lesson 9.)



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