8-116. Mr. Benesh is in charge of Walt Clark Middle School. He is organizing a project to paint all 36 classrooms during the school's summer break. He estimates that it will take one person five hours to paint each classroom.
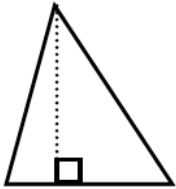
a) How many total hours would it take for one person to paint all of the classrooms?

b) Mr. Benesh has a team of four workers he is planning to assign to the job. Assuming they all paint at the same rate of five hours per classroom, how many hours would it take the team to do the painting?

c) Mr. Benesh realized that he needs the painting to be finished in nine hours so that a different team can come in to wax the floors before school starts. How many people will he need to assign to do the painting in order to do this?

8-118. If the area of this triangle is 100.75cm², what is the height? (*You can use a calculator on this one!*)

13 cm

8-82. Without a calculator, calculate the solution for the following decimal expressions.

a) $1.2 + 3.04$

b) $3.85 - 2.1$

c) $4.6 \; x \; 0.4$

d) $19.85 \div 5$

9-75. Find each of the following values or percents without using a calculator. Show your work.

a) What is 22% *of* 400?

b) $35 is what percent of $125?

c) 94% *of* $130 is what amount?

9-79. Solve each equation using **inverse operations**.

$a - 13 = 49$

$4b = 68$

$78 = c + 19$

$\dfrac{d}{6} = 36$

$\dfrac{1}{3}e = 24$

$5f = 17$