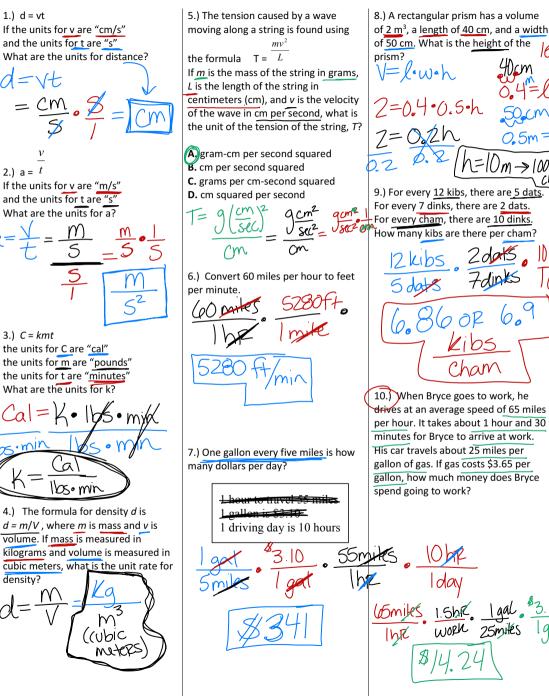
Warmup 3 Multiply 3 Convert 45 drips to ml () Simplify (3x-2)(x+7) 413+12-13 (| m L= 15drops) 45 darps ImL 60 set 18ee 15 darps I min ŻŻ 413+213-13 3x²+19x-14 513

Module 0.10B **Dimensional Analysis/Units in Context**

Name:

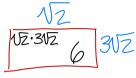


2=0.4.0.5.h h=11 9.) For every 12 kibs, there are 5 dats. For every 7 dinks, there are 2 dats. For every cham, there are 10 dinks. How many kibs are there per cham? 10.) When Bryce goes to work, he

drives at an average speed of 65 miles per hour. It takes about 1 hour and 30 minutes for Bryce to arrive at work. His car travels about 25 miles per gallon of gas. If gas costs \$3.65 per gallon, how much money does Bryce spend going to work?

11.) The width of the rectangle is $\sqrt{2}$ cm but Katie has crazy fear of crazy numbers, so she estimates it to 1.41 cm. The length of the rectangle is

 $3\sqrt{2}$ cm but Katie estimates to 4.24 cm. What is the area of the rectangle? Calculate both decimals and radicals.



1.41

Which area of the rectangle is more precise? Why?

6-> did not Round or estimate

If you were pouring concrete for the base of a house, which answer would you want to use? Why?

te precisé

12.) The distance from Commerce to 13.) Jane noticed that her faucet was Athens is 18 miles. How long would dripping. She later figured out that the that be in centimeters? rate of dripping was 50 drops every minute. If 20 drops equals 1 milliliter. (1 inch = 2.54 cm)how many liters per year is the faucet 18 miles 1210 leaking? 2.54cm 50 days 5780ff = Imile Int 70 drows 1000mk 12 in = 14WMik 74br 350 min 134 If you ride your bike to Athens from How many gallons a year is the faucet leaking? (1 gal = 3.79 liters) Commerce at a rate of 120 centimeters per hour, how long would it take you to get there? 346.701847gal 24140.16hR