Unit 3, Lesson 3: Measuring with Di#erent-Sized Units

- 1. Decide if each is a measurement of length, area, volume, or weight (or mass).
 - a. How many centimeters across a handprint
 - b. How many square inches of paper needed to wrap a box area
 - c. How many gallons of water in a =sh tank Volume
 - d. How many pounds in a bag of potatoes Weig NY
 - e. How many feet across a swimming pool | My M
 - f. How many ounces in a bag of grapes
 - volume g. How many liters in a punch bowl
 - h. How many square feet of grass in a lawn AYLA

(from Unit 3, Lesson 2)

2. Clare says, "This classroom is 11 meters long. A meter is longer than a yard, so if I measure the length of this classroom in yards, I will get less than 11 yards." Do you agree with Clare? Explain your No, need more yards because they reasoning.

3. Tyler's height is 57 inches. What could be his height in centimeters? Explain your reasoning.

A. 22.4

B. 57

C) 144.8

D. 3,551

because they are shorter—
a little more than 2 cm in
one inch so 144.8 cm is
reasonable.

DATE

PERIOD

4. A large soup pot holds 20 quarts. What could be its volume in liters?

A. 7.57 B. 19 C. 21 D. 75.7 but a quart is slightly larger so 21 lifers is a good estimate.

5. Clare wants to mail a package that weighs $4\frac{1}{2}$ pounds. What <u>could</u> this weight be in kilograms?

A Kilogram is about (a little over)

2 pounds so it would

take about hilf as many

Kilograms. A. 2.04 B. 4.5 C. 9.92 D. 4,500

Noah bought 15 baseball cards for \$9.00. Assuming each baseball card costs the same amount, answer the following questions.

a. At this rate, how much will 30 baseball cards cost? Explain your reasoning

Double 15

b. At this rate, how much will 12 baseball cards cost? Explain your reasoning.

12x,60 for 1 \$7,20

c. Do you think this information would be better represented using a table or a double number line? Explain your reasoning.

Table easier, to do moth, but double # line would work.

(from Unit 2, Lesson 13)

7. Jada traveled 135 miles in 3 hours. Andre traveled 228 miles in 6 hours Both Jada and Andre traveled at a constant speed.

a. How far did Andre travel in 1 hour?

135 miles - 45 miles

135 miles - 45 miles

1 hour

228 miles - 38 miles

1 hour

c. Who traveled faster? Explain or show your reasoning. Jada either compare distance in 6 hours 270 7228 (from Unit 2, Lesson 9)

or compare for one hour 45 mph > 38 mph