

TAKE-HOME PRACTICE FOR METRIC MEASUREMENTS

1. A table measures 2.9 meters. $\times 100 = 290\text{cm}$

What does it measure in centimeters? 290cm

What does it measure in millimeters? 2900mm
 $\times 1000$

2. A cup on the table holds 800 ml of chocolate milkshake.

How much does it hold in liters? 0.8L
 $\div 1000$

3. The milkshake weighs 463 milligrams.

What does it weigh in grams? 0.463g
 $\div 1000$

4. A straw in the milkshake measures 26 cm.

How long is it in meters? 0.26m

How long is it in millimeters? 260mm
 $\times 100$
 $\times 10$

5. A pH meter inserted into the milkshake records a pH of 10.

Is this basic or acidic? basic

What does basic refer to in terms of hydrogen ion concentration?

if something is basic, it has a low hydrogen ion concentration

What would be considered an acidic range for pH? 7-14 (anything lower than 7)

6. It takes a 16-year old 840,000 msec to completely consume the milkshake.

How long is this in seconds? 840

How long is this in minutes? 14
 $\times 1000$
 $\div 60,000$