

# Unit 6: Measuring Length, Time, Liquid Volume, and Weight

## ADVANCED · SET 4

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each problem. Show your work on scrap paper and write the exact answer, with units, on the line.

1. Maya's swim practice starts at 4:35 p.m. Practice lasts 85 minutes. After practice she takes 20 minutes to change and dry her hair. What time is she ready to go home?

Answer: \_\_\_\_\_

3. A crate full of rice bags weighs 45 kg. The empty crate weighs 9 kg. There are 9 bags inside, and every bag weighs the same. How many kilograms does one bag weigh?

Answer: \_\_\_\_\_

5. A class movie runs from 1:50 p.m. to 3:25 p.m. In the middle there is a 15-minute snack break with the movie paused. How many minutes of movie do the kids actually watch?

Answer: \_\_\_\_\_

7. An empty fish tank holds 60 liters of water. Ravi pours in 9 full buckets that each hold 4 liters. Then he switches to a 6-liter bucket. How many 6-liter bucketfuls will fill the tank the rest of the way?

Answer: \_\_\_\_\_

9. Sam's bus reaches school at 8:12 a.m. The bus ride takes 26 minutes. Before that, Sam walks 9 minutes from home to the bus stop. What time does Sam leave home?

Answer: \_\_\_\_\_

2. A school kitchen has 3 jugs of lemonade with 4 liters in each jug, and 2 jugs with 7 liters in each jug. All of it is poured into 2-liter pitchers with none left over. How many pitchers are filled?

Answer: \_\_\_\_\_

4. A roll of ribbon is 250 cm long. Sam cuts 6 pieces that are each 35 cm long. How many centimeters of ribbon are left on the roll?

Answer: \_\_\_\_\_

6. A lunch bag holds 4 apples that weigh 180 g each and 3 oranges that weigh 140 g each. How many more grams of fruit would you need to add to make the fruit weigh 2 kg in all?

Answer: \_\_\_\_\_

8. A garden snake is 2 m 15 cm long. A second snake is 168 cm long. How many centimeters longer is the first snake?

Answer: \_\_\_\_\_

10. A chef must make 72 liters of soup. His biggest pot holds 9 liters, and he makes one full potful at a time. Each potful takes 15 minutes to heat. How many minutes of heating is that in all?

Answer: \_\_\_\_\_

11. A puppy weighs 6 kg. Its mother weighs 3 kg less than 4 times the puppy's weight. How many kilograms do the puppy and its mother weigh together?

Answer: \_\_\_\_\_

12. A roll of tape is 8 m long. Lin cuts off pieces that are 45 cm long. How many whole 45 cm pieces can she cut from the roll?

Answer: \_\_\_\_\_