

Math 4. Equations 3. Homework.



Meters, kilometers, centimeters:

$$1 \text{ kilometer (km)} = 1000 \text{ meters (m)}$$

$$1 \text{ meter} = 100 \text{ centimeters (cm)}$$

$$1 \text{ hour (h)} = 60 \text{ minutes (min)}$$

$$1 \text{ minute (min)} = 60 \text{ seconds (s)}$$

1. Peter's speed is  $5\frac{1}{5} \frac{\text{km}}{\text{h}}$  (*kph*). How far will he go in
  - a. 2 hours
  - b.  $1\frac{1}{5}$  hour
  - c. 45 minutes
  - d. 125 minutes

(Represent the result in kilometers and meters, for example: 1km 250 m.)

2. Buns and cookies are sold in the bakery. Each bun costs \$2 and each cookie costs \$0.50. \$83.50 was made this Monday. 56 buns and cookies were sold in total. How many buns were sold and how cookies were sold?
3. In two rooms, there were 68 people. When 25 people left one room and 35 left the other, the number of people in the rooms remained equal. How many people were originally in each room?
4. A pedestrian covers a distance in 3 hours 45 minutes. The same distance can be covered by bicycle in 45 minutes. How many times faster does a cyclist ride than a pedestrian?
5. Vita has twice as much money as Sasha. Together they have \$21. How much money does each have?