

Name \_\_\_\_\_

# Problem Solving: Multiple-Step Problems

---

Kyle hiked 10 miles on Saturday. He hiked half as many miles on Sunday. How many total yards did Kyle hike?

- |   |                                    |
|---|------------------------------------|
| 1. What am I asked to find?                   | 1. Total yards hiked               |
| 2. What is the hidden question?               | 2. Number of miles hiked on Sunday |
| 3. What is the answer to the hidden question? | 3. 5 miles                         |
| 4. What else do you need to do?               | 4. Convert from miles to yards     |

### Solve.

*Think: to convert from larger units to smaller units, use multiplication.*

You know  $1 \text{ mi} = 1,760 \text{ yd}$ . How many yd is 10 mi? \_\_\_\_\_

How many yd is 5 mi? \_\_\_\_\_

How many yd is 15 mi? \_\_\_\_\_

So, Kyle hiked a total of \_\_\_\_\_

---

1. **Mental Math** Kendra biked 10 kilometers on Monday. She biked twice that many km on Tuesday. How many total meters did she bike? What hidden question do you need to answer? Show your work.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

# Problem Solving: Multiple-Step Problems

Answer the hidden question or questions. Then solve.

1. Isabel took 24 minutes to run around the track 6 times. John took 3 minutes to run around the track once. Which student was running faster?

---

---

---

2. Nancy is saving \$2 from her allowance every week. Marco is saving \$1 the first week, \$2 the second week, \$3 the third week, and so on. At the end of 10 weeks, who will have saved more money? How much more?

---

---

3. For every 3 cans of vegetables purchased, you get 1 free can. Tessie went home with 32 cans of vegetables. How many did she have to pay for?

**A** 32                      **B** 24                      **C** 16                      **D** 8

4. **Writing to Explain** Badal has  $120 \text{ cm}^3$  of water. He wants to pour it into a rectangular vase that is 4 cm high, 4 cm wide, and 5 cm long. Can he pour all the water into the vase? Explain.

---

---

---