

Name _____

Date _____

1. Find the equivalent measures.

a. $5 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

b. $13 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

c. $\underline{\hspace{2cm}} \text{ km} = 17,000 \text{ m}$

d. $60 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

e. $7 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

f. $19 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

g. $\underline{\hspace{2cm}} \text{ m} = 2,400 \text{ cm}$

h. $90 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

2. Find the equivalent measures.

a. $7 \text{ km } 123 \text{ m} = \underline{\hspace{2cm}} \text{ m}$

b. $22 \text{ km } 22 \text{ m} = \underline{\hspace{2cm}} \text{ m}$

c. $875 \text{ km } 4 \text{ m} = \underline{\hspace{2cm}} \text{ m}$

d. $7 \text{ m } 45 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}$

e. $67 \text{ m } 7 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}$

f. $204 \text{ m } 89 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}$

3. Solve.

a. $2 \text{ km } 303 \text{ m} - 556 \text{ m}$

b. $2 \text{ m} - 54 \text{ cm}$

c. Express your answer in the smaller unit:
 $338 \text{ km } 853 \text{ m} + 62 \text{ km } 71 \text{ m}$

d. Express your answer in the smaller unit:
 $800 \text{ m } 35 \text{ cm} - 154 \text{ m } 49 \text{ cm}$

e. $701 \text{ km} - 523 \text{ km } 445 \text{ m}$

f. $231 \text{ km } 811 \text{ m} + 485 \text{ km } 829 \text{ m}$

Use a tape diagram to model each problem. Solve using a simplifying strategy or an algorithm, and write your answer as a statement.

- The length of Celia's garden is 15 m 24 cm. The length of her friend's garden is 2 m 98 cm more than Celia's. What is the length of her friend's garden?

- Sylvia ran 3 km 290 m in the morning. Then, she ran some more in the evening. If she ran a total of 10 km, how far did Sylvia run in the evening?

- Jenny's sprinting distance was 356 meters shorter than Tyler's. Tyler sprinted a distance of 1 km 3 m. How many meters did Jenny sprint?

- The electrician had 7 m 23 cm of electrical wire. He used 551 cm for one wiring project. How many centimeters of wire does he have left?