

## Activity

Instructions: Solve the following using algorithms or other simplifying strategies.

1. Convert the measurements.

a.  $1 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

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

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

d.  $\underline{\hspace{2cm}} \text{ km} = 18,000 \text{ m}$

e.  $1 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

f.  $3 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

g.  $80 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

h.  $\underline{\hspace{2cm}} \text{ m} = 12,000 \text{ cm}$

2. Convert the measurements.

a.  $3 \text{ km } 312 \text{ m} = \underline{\hspace{2cm}} \text{ m}$

b.  $13 \text{ km } 27 \text{ m} = \underline{\hspace{2cm}} \text{ m}$

c.  $915 \text{ km } 8 \text{ m} = \underline{\hspace{2cm}} \text{ m}$

d.  $3 \text{ m } 56 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}$

e.  $14 \text{ m } 8 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}$

f.  $120 \text{ m } 46 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}$

3. Solve.

a.  $4 \text{ km} - 280 \text{ m}$

b.  $1 \text{ m } 15 \text{ cm} - 34 \text{ cm}$

c. Express your answer in the smaller unit:  
 $1 \text{ km } 431 \text{ m} + 13 \text{ km } 169 \text{ m}$

d. Express your answer in the smaller unit:  
 $231 \text{ m } 31 \text{ cm} - 14 \text{ m } 48 \text{ cm}$

e.  $67 \text{ km } 230 \text{ m} + 11 \text{ km } 879 \text{ m}$

f.  $67 \text{ km } 230 \text{ m} - 11 \text{ km } 879 \text{ m}$