

## Practice 2 Converting a Measurement from a Smaller Unit to a Larger Unit

1. Express the following, as a decimal, in centimetres.

(a)  $3 \text{ mm} = 3 \div 10$

(b)  $67 \text{ mm} = \underline{\hspace{2cm}}$

(c)  $712 \text{ mm} = \underline{\hspace{2cm}}$

(d)  $309 \text{ mm} = \underline{\hspace{2cm}}$

2. Express the following, as a decimal, in centimetres.

(a)  $3 \text{ cm } 4 \text{ mm}$

(b)  $7 \text{ cm } 9 \text{ mm}$

(c)  $50 \text{ cm } 8 \text{ mm}$

(d)  $100 \text{ cm } 6 \text{ mm}$

3. Express the following, as a decimal, in metres.

(a)  $2 \text{ cm} = 2 \div 100$

(b)  $85 \text{ cm} = \underline{\hspace{2cm}}$

(c)  $103 \text{ cm} = \underline{\hspace{2cm}}$

(d)  $3007 \text{ cm} = \underline{\hspace{2cm}}$

4. Express the following, as a decimal, in metres.

(a) 6 m 30 cm  
 $30 \text{ cm} = 30 \div 100$

63.0 m    6.3 m ✓

(b) 24 m 88 cm

24.88 m    248.8 m

(c) 12 m 25 cm

1.225 m    12.25 m

(d) 120 m 20 cm

120.2 m    12.02 m

(e) 8 m 6 cm

8.6 m    8.06 m

(f) 700 m 7 cm

700.07    700.7 m

5. Express the following, as a decimal, in metres.

(a) 66 mm =  $66 \div 1000$   
= \_\_\_\_\_ m

0.066 m ✓    0.66 m

(b) 182 mm = \_\_\_\_\_

0.182 m    1.82 m

(c) 6417 mm = \_\_\_\_\_

0.6417 m    6.417 m

(d) 3950 mm = \_\_\_\_\_

3.95 m    0.395 m

(e) 10 200 mm = \_\_\_\_\_

10.2 m    102 m

(f) 37 009 mm = \_\_\_\_\_

3.7009 m    37.009 m

6. Express the following, as a decimal, in kilometres.

(a)  $5200 \text{ m} = 5200 \div 1000$   
 $= \underline{\hspace{2cm}} \text{ km}$

(b)  $9010 \text{ m} = \underline{\hspace{2cm}}$

(c)  $80\,560 \text{ m} = \underline{\hspace{2cm}}$

(d)  $4527 \text{ m} = \underline{\hspace{2cm}}$

(e)  $234 \text{ m} = \underline{\hspace{2cm}}$

(f)  $79 \text{ m} = \underline{\hspace{2cm}}$

7. Express the following, as a decimal, in kilometres.

(a)  $8 \text{ km } 480 \text{ m}$   
 $480 \text{ m} = 480 \div 1000$

(b)  $5 \text{ km } 12 \text{ m}$

(c)  $9 \text{ km } 1 \text{ m}$

(d)  $10 \text{ km } 10 \text{ m}$

(e)  $27 \text{ km } 234 \text{ m}$

(f)  $35 \text{ km } 350 \text{ m}$