

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

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

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

0.3 cm 30 cm

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

670 cm 6.7 cm

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

7.12 cm 71.2 cm

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

30.9 cm 3.09 cm

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

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

34 cm 3.4 cm

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

79 cm 7.9 cm

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

50.8 cm 5.08 cm

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

100.6 cm 10.06 cm

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

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

0.02 m 0.2 m

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

8.5 m 0.85 m

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

1.03 m 10.3 m

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

3.007 m 30.07 m

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) $66 \text{ mm} = 66 \div 1000$
 $= \text{_____ m}$

0.066 m ✓ 0.66 m

(b) $182 \text{ mm} = \text{_____}$

0.182 m 1.82 m

(c) $6417 \text{ mm} = \text{_____}$

0.6417 m 6.417 m

(d) $3950 \text{ mm} = \text{_____}$

3.95 m 0.395 m

(e) $10\ 200 \text{ mm} = \text{_____}$

10.2 m 102 m

(f) $37\ 009 \text{ mm} = \text{_____}$

3.7009 m 37.009 m

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

(a) $5200 \text{ m} = 5200 \div 1000$
 $= \underline{\hspace{2cm}}$ 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) $35 \text{ km } 350 \text{ m}$