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

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

(a) 3 mm = 3 ÷ 10

0.3 cm ✓ | 30 cm

(b) 67 mm = _____

670 cm | 6.7 cm

(c) 712 mm = _____

7.12 cm | 71.2 cm

(d) 309 mm = _____

30.9 cm | 3.09 cm

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

(a) 3 cm 4 mm

34 cm | 3.4 cm ✓

(b) 7 cm 9 mm

79 cm | 7.9 cm

(c) 50 cm 8 mm

50.8 cm | 5.08 cm

(d) 100 cm 6 mm

100.6 cm | 10.06 cm

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

(a) 2 cm = 2 ÷ 100

0.02 m ✓ | 0.2 m

(b) 85 cm = _____

8.5 m | 0.85 m

(c) 103 cm = _____

1.03 m | 10.3 m

(d) 3007 cm = _____

3.007 m | 30.07 m

LIVEWORKSHEETS

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

(a) 6 m 30 cm
30 cm = 30 ÷ 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 ÷ 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

LIVEWORKSHEETS

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

(a) 5200 m = 5200 ÷ 1000
= _____ km

52 km | 5.2km ✓

(b) 9010 m = _____

9.010 km | 90.10 km

(c) 80 560 m = _____

80.56 km | 8.056 km

(d) 4527 m = _____

45.27 km | 4.527 km

(e) 234 m = _____

2.34 km | 0.234 km

(f) 79 m = _____

0.79 km | 0.079 km

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

(a) 8 km 480 m
480 m = 480 ÷ 1000

8.48 km ✓ | 848 km

(b) 5 km 12 m

5.012 km | 5.12 km

(c) 9 km 1 m

9.100 km | 9.001 km

(d) 10 km 10 m

10.10 km | 10.01 km

(e) 27 km 234 m

27.234 km | 2.7234 km

(f) 35 km 350 m

35350 km | 35.35 km

LIVEWORKSHEETS