

**Apprenticeship Math 12**  
**ASSIGNMENT: Metric Measurement**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Convert the following.

a)  $121 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

j)  $2.2 \text{ m} = \underline{\hspace{2cm}} \text{ mm}$

b)  $121 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

k)  $0.125 \text{ m} = \underline{\hspace{2cm}} \text{ mm}$

c)  $265.2 \text{ m} = \underline{\hspace{2cm}} \text{ mm}$

l)  $12 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

d)  $265.2 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

m)  $0.15 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

e)  $111.4 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

n)  $1250 \text{ mm} = \underline{\hspace{2cm}} \text{ m}$

f)  $1450 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

o)  $12 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

g)  $3.2 \text{ km} = \underline{\hspace{2cm}} \text{ cm}$

p)  $1456 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

h)  $42 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

q)  $50\,500 \text{ cm} = \underline{\hspace{2cm}} \text{ km}$

i)  $42 \text{ mm} = \underline{\hspace{2cm}} \text{ m}$

r)  $4.56 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

2. Convert the following to the same unit so that you can add.

a)  $3.60 \text{ m} + 14 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

b)  $3.96 \text{ km} + 298 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

c)  $46.9 \text{ cm} + 23 \text{ m} + 558 \text{ mm} = \underline{\hspace{2cm}} \text{ m}$

d)  $18.4 \text{ cm} + 8 \text{ mm} + 0.75 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

3. A painting that is 95 cm wide has an oak frame 30 mm wide. Will it fit into a packing crate that is one meter long?

4. Bruce is 1.85 m tall. Today he is wearing shoes with a 18 mm thick sole and a hat that is 17 cm tall. Will he be able to pass through a two meter high door without stooping?

1. a) 1210 mm	b) 1.21 m	c) 265 200 mm	d) 26 520 cm
e) 0.1114 km	f) 1.45 km	g) 320 000 cm	h) 4.2 cm
i) 0.042 m	j) 2200 mm	k) 125 mm	l) 12 000 m
m) 0.0015 m	n) 1.25 m	o) 0.12 m	p) 1.456 km
q) 0.505 km	r) 45.6 mm		
2. a) 3.74 m	b) 4.258 km	c) 24.027 m	d) 94.2 cm
3. no (it will be 1.01 m wide)			
4. no (he will be 2.038 m tall)			