Converting units of area and volume

145

maths-school.co.uk

Name:

Covert the following units of area:

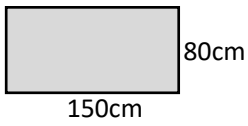
a) $5m^2$ to cm^2	$50000cm^2$	f) $40,000cm^2$ to m^2	$4m^2$
b) $4cm^2$ to mm^2	$400mm^2$	g) $300,000m^2$ to km^2	$0.3km^2$
c) $9km^2$ to m^2	$9000000m^2$	h) $80mm^2$ to cm^2	$0.8mm^2$
d) $3.6cm^2$ to mm^2	$360mm^2$	i) $8,400m^2$ to km^2	$0.0084km^2$
e) $5.5m^2$ to cm^2	$55000cm^2$	j) $86mm^2$ to cm^2	$0.86cm^2$

Covert the following units of volume:

k) $7cm^3$ to mm^3	$7000mm^3$	p) $82,000mm^3$ to cm^3	$82cm^3$
l) $4m^3$ to cm^3	$4000000cm^3$	q) $540,000m^3$ to km^3	$0.00054km^3$
m) $0.34km^3$ to m^3	$340000000m^3$	r) $380cm^3$ to m^3	$0.00038m^3$
n) $6.3cm^3$ to mm^3	$6300mm^3$	s) $49m^3$ to cm^3	$0.000049cm^3$
o) $0.017km^3$ to m^3	$17000000m^3$	t) $2.9km^3$ to m^3	$0.0000000029m^3$

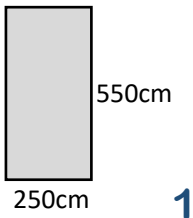
Calculate the area of these shapes in m^2

m)



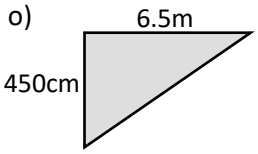
$1.2m^2$

n)



$13.75m^2$

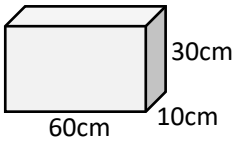
o)



$14.625m^2$

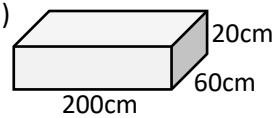
Calculate the volume of these shapes in m^3

p)



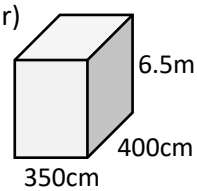
$0.018m^3$

q)



$0.24m^3$

r)



$91m^3$

Exam question:

A farmer has a patch of land on which is he is going to grow corn.
The land is $0.2km^2$ of land.
The farmer has been informed that he will make 10p profit for each square metre of corm he yields.
Calculate the profit he makes on his patch of land for one crop of corn.

£20000