1. The formula for pressure is $P = \frac{F}{A}$. Calculate the pressure, giving your answers as decimals to 2 d.p.:

a) 1N over 1m^2 1N/m^2

b) 2N over 1cm^2 2N/cm^2

c) 10N over 20m^2 0.5N/m^2

d) 2N over 5cm^2 0.4N/cm^2

e) 10N over 15m^2 0.67N/m^2

f) 2N over 15cm^2 0.13N/cm^2

g) 5N over 1m^2 5N/m^2

h) 20N over 10cm^2 2N/cm^2

i) 100N over 20m^2 5N/m^2

j) 2N over 50cm^2 0.04N/cm^2

k) 100N over 15m^2 6.67N/m^2

l) 4N over 35cm^2 0.11N/cm^2

2. The formula for pressure is $P = \frac{F}{A}$. Calculate the force, giving your answers as decimals to 2 d.p.:

a) 1N/m^2 over 1m^2 1N

b) 2N/cm^2 over 1cm^2 2N

c) 10N/m^2 over 20m^2 200N

d) 2N/cm^2 over 5cm^2 10N

e) 0.1N/m^2 over 15m^2 1.5N

f) 2.34N/cm^2 over 15cm^2 35.1N

g) 10N/m^2 over 1m^2 10N

h) 200N/cm^2 over 1cm^2 200N

i) 10N/m^2 over 10m^2 100N

j) 20N/cm^2 over 5cm^2 100N

k) 0.1N/m^2 over 0.15m^2 0.02N

l) 2.34N/cm^2 over 1.1cm^2 2.57N

3. The formula for pressure is $P = \dfrac{F}{A}$. Calculate the area, giving your answers as decimals to 2 d.p.:

a) force = 1N, pressure = 1N/m^2 1m^2

b) force = 2N, pressure = 1N/m^2 2m^2

c) force = 1N, pressure = 2N/m^2 0.5m^2

d) force = 1N, pressure = 8N/m^2 0.13m^2

e) force = 4N, pressure = 5N/m^2 0.8m^2

f) force = 200N, pressure = 150N/m^2 1.33m^2

g) force = 10N, pressure = 1N/m^2 10m^2

h) force = 20N, pressure = 1N/m^2 20m^2

i) force = 1N, pressure = 20N/m^2 0.05m^2

j) force = 10N, pressure = 8N/m^2 1.25m^2

k) force = 40N, pressure = 5N/m^2 8m^2

l) force = 200N, pressure = 1500N/m^2 0.13m^2