# Learning Enhancement Team – Mathematics & Statistics

Pharmaceutical Calculations 3

## Conversions Between Imperial and Metric Units

1. Convert the following into the given unit, using 1 inch = 2.5 cm
2. 36 inches into cm
3. 12.5 cm into inches
4. 5 feet into inches
5. 5 feet into cm
6. 5 feet into m
7. 5 feet 4 inches into cm
8. 6 feet 2 inches into cm
9. 4 feet 8 inches into m
10. 180 cm into feet and inches
11. 1.6 m into feet and inches
12. 1.45 m into feet and inches
13. 2.2 m into feet and inches
14. Convert the following into the given unit, using 2 lbs = 1 kg
15. 100 lbs into kg
16. 30 lbs into kg
17. 18 kg into lbs
18. 12 stone into lbs
19. 12 stone into kg
20. 15 stone 3 lbs into kg
21. 18 stone 10 lbs into kg
22. 70 kg into stone and lbs
23. 80 kg into stone and lbs
24. 45000 g into stone and lbs
25. Convert the following into the given unit, using 1 pint = 500 ml
26. 30 pints into ml
27. 30 pints into l
28. 12 pints into l
29. 2000 ml into pints
30. 40 l into pints
31. Given than 1 UK gallon is 8 pints, convert 5 gallons into litres.

## BMI Calculations

1. Find the BMI of the following patients:
2. Mass = 70 kg, height = 2 m
3. Mass = 49 kg, height = 140 cm
4. Mass = 51.2 kg, height = 160 cm

## BSA Calculations

1. Find the BSA of the following patients:
2. Mass = 60 kg, height = 1.8 m
3. Mass = 80 kg, height = 180 cm
4. Mass = 150 kg, height = 192 cm

You can use and

## IBW Calculations

For females:

For males:

1. Calculate the IBW for the following patients (both for a male and for a female) with the given heights:
2. 180 cm
3. 160 cm
4. 155 cm
5. 1.4 m
6. 1.82 m