



R2P: 5NPV-5

NC:

Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3dp where appropriate.

Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit of measure and vice versa, using decimal notation to 3dp.

Concept Sequence

Metric Measures – length, mass and capacity. Note difference between volume and capacity. Consider most appropriate unit of measure.

Convert metric measures (revise multiply and divide by powers of 10) – look at role of 0 as a place holder and use of decimals.

Calculate with metric measures - solve problems converting units of measure (including decimals to 3dp). Use pictorial representations (bar models).

Convert between miles and km – 5miles is approximately 8km. Use approximate symbol.

Imperial measures – Know/use following facts:

- 1 foot = 12inches
- 1 pound = 16 ounces
- 1 stone=14 pounds
- 1 gallon = 8 pints
- 1 inch is approximately 2.5cm

Focus: Measurement –
Converting Units

Time: 1 week

Times Tables 5NF-1

Consolidate and practice all multiplication and division facts to 12x12 – any order, missing numbers, fractions.

Use multiplication and division facts to derive associated facts.

Develop multiplicative reasoning - links between multiplication, division and fractions.

Vocabulary

Estimate, approximate, approximately convert

Measure, measurement, metric

Length, m, cm, mm, km

Mass, g, kg

Capacity, ml, l

Volume

New

imperial

inch, foot, feet, yards, miles

ounce, pound, tonnes

pints, gallons

Put these capacities in order, starting with the smallest.

3 litres	3,500 ml
0.4 litres	0.035 litres
450 ml	330 ml

Ron and Annie are running a 5 mile race.



I have run 6.4 km so far

I have run 3.8 miles so far



5 miles \approx 8 kilometres

Use this fact to complete:

- 15 miles \approx _____ km
- 30 miles \approx _____ km
- _____ miles \approx 160 km

Who has the furthest left to run?

Planning Links

Power Maths/Maths No Problem/Aspire Maths

White Rose Scheme of Work:

<https://assets.whiterosemaths.com/new-schemes/Y6%20Autumn%20Block%205%20SOL%20Converting%20units.pdf>

Resources

PV Chart

Gordons Maths Games, Mathletics,

TTRockstars

BBC Super Movers

<https://www.bbc.co.uk/teach/supermover/s/ks2-collection/zr4ky9q>