## Number Facts: Year 6

## Measuremen

upils should be taught to:

- associate a fraction with division and calculate
decimal fraction equivalents (e.g. 0.375) for a
simple fraction (e.g. ${ }^{3} / 8$ )
recall and use equivalences between simple
fractions, decimals and percentages, including in different contexts
upils should be taught to
convert between miles and kilometres
recognise when it is possible to use formulae for area and volume of shapes


## Geometry

Pupils should be taught to:

-     - illustrate and name parts of circles, including radius diameter and circumference and know that the diameter is twice the radius


## Number Facts: Measure

- $1 \mathrm{~km}=0.621371$ miles
- Formula for area of a quadrilateral $=$ length $x$ width
- Formula for area of a triangle $=1 / 2$ base $\times$ height
- Formula for finding the volume of a cube $=$ length x width x height


## Number Facts: Fractions

$$
\begin{aligned}
& \frac{1}{8}=12.5 \%=0.125 \\
& \frac{1}{3}=33.3 \%=0.333
\end{aligned}
$$

Number Facts: Ratio and Proportion

- To recognise related percentage facts.


## For example:

If I know $1 \%$ then I can find $2 \%$ by doubling.
If I know $10 \%$ then I can find $5 \%$ by halving
Number Facts: Fractions
$\frac{1}{8}=12.5 \%=0.125$
$\frac{1}{3}=33.3 \%=0.333$

## Number Facts: Geometry

- Diameter $=2 \mathrm{x}$ radius
- Radius $=1 / 2$ diameter

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Images and mathematical models to support year 6 conceptual understanding underpinning the facts


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