

# Margaret Wix Primary School



## Year 6

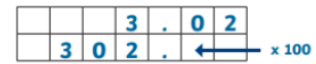
### Basic Number Facts Parent Information Sheet

**Place value of numbers with up to ten million and with up to three decimal places:** Identifying the value of digits in given numbers



**Multiply and divide by 10, 100 and 1000:** understanding place value including numbers with one decimal place

$$3.02 \times 100 = 302$$



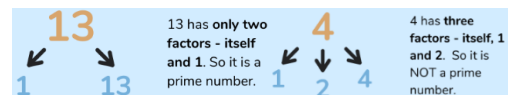
**Multiplication and division facts:** quick recall of multiplication and division facts up to and including 12 x 12



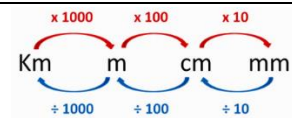
**Factor pairs:** identifying pairs of numbers that multiply to create a given total

**Factor pairs of 15**  
1 and 15  
3 and 5

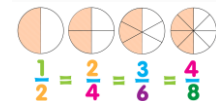
**Prime numbers:** identifying prime numbers (numbers that have only two factors – themselves and one)



**Converting measures:** converting common metric units of measure.



**Equivalent fractions:** identifying fractions that are equal even though they have different numerators and denominators.



**Adding and subtracting fractions:** adding and subtracting fractions with different denominators.

$$\frac{2}{3} - \frac{1}{2} = \frac{4}{6} - \frac{3}{6} = \frac{4-3}{6} = \frac{1}{6}$$

**Fractions, decimals and percentages:** express parts per hundred as fractions, decimals and percentages.

% means 'out of every hundred'.  
24% means 24 out of every hundred.  
We can also write this as  $\frac{24}{100}$  and 0.24

**Scaling percentages:** find an equivalent fraction with a denominator of 100 in order to convert to a percentage.



Once the denominator is 100 then we can convert the fraction into a percentage.  
Here, we scaled the numerator and denominator by 5 to get to a denominator of 100.  
Sometimes we need to divide to find equivalent fractions.

**Multiplying fractions:** calculating the answer to two fractions multiplied together,

$$\text{STEP 1} \quad \frac{3}{4} \times \frac{2}{5} = \text{STEP 2} \quad \frac{3 \times 2}{4 \times 5} = \text{STEP 3} \quad \frac{6}{20} \quad \text{Simplify?}$$

**Dividing fractions:** calculating the answer to one fraction divided by another.

