# KS2 Mathematical Facts children need to know:

## Time
1 millennium = 1000 years
1 century = 100 years
1 year = 12 months or 52 weeks or 365 days
1 leap year = 366 days
1 week = 7 days
1 day = 24 hours
1 hour = 60 minutes
1 minute = 60 seconds

*30 days hath September,*
*April, June and November,*
*All the rest have 31,*
*except in February alone*
*which has but 28 days clear*
*and 29 in each leap year.*

## Months of the Year, in order:
January
February
March
April
May
June
July
August
September
October
November
December

## Days of the Week, in order:
Monday
Tuesday
Wednesday
Thursday
Friday — *week days*
Saturday
Sunday — *weekend*

## Name 2D Shapes:
Triangle
Square
Pentagon
Hexagon
Heptagon
Octagon

## Name 3D Shapes:
Sphere
Cube
Cuboid
Cylinder
Cone
Square Based Pyramid
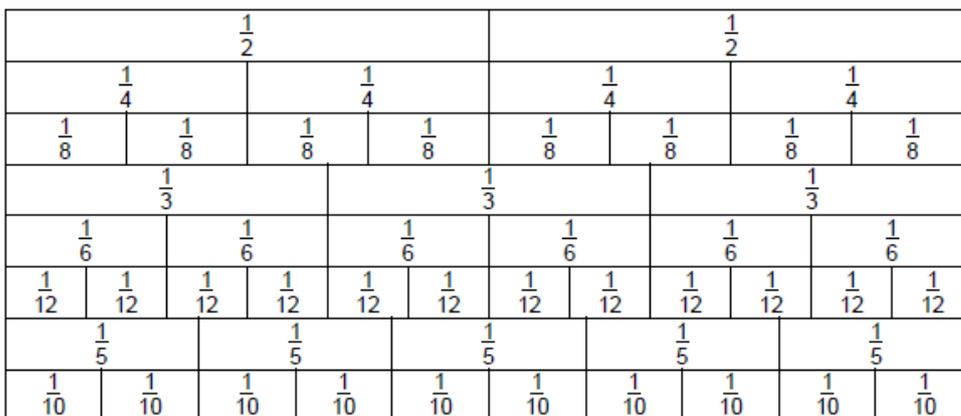Tetrahedron
Triangular Prism

## Know that:-
1 kilometre = 1000 metres
1 metre = 100 centimetres or 1000 millimetres
1 centimetre = 10 millimetres
1 kilogram = 1000 grams
1 litre = 1000 millilitres
1 tonne = 1000 kilograms
1 litre = 100 centilitres
1 centilitre = 10 millilitres

*How many grams in 3½ kg?*

*How many days in March?*

*How many sixths are equal to a third?*

## Fraction Wall

| $\frac{1}{2}$ | | | | $\frac{1}{2}$ | | | |
| $\frac{1}{4}$ | | $\frac{1}{4}$ | | $\frac{1}{4}$ | | $\frac{1}{4}$ | |
| $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ |
| $\frac{1}{3}$ | | $\frac{1}{3}$ | | | $\frac{1}{3}$ | | |
| $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | | |
| $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ |
| $\frac{1}{5}$ | | $\frac{1}{5}$ | | $\frac{1}{5}$ | $\frac{1}{5}$ | | $\frac{1}{5}$ |
| $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ |

## Fraction/Decimal/Percentage Equivalence

| Fraction | Decimal | Percentage |
| --- | --- | --- |
| 1 *(whole)* | 1.0 | 100% |
| ½ *(half)* | 0.5 | 50% |
| ¼ *(quarter)* | 0.25 | 25% |
| ¾ *(3 quarters)* | 0.75 | 75% |
| 1/10 *(a tenth)* | 0.1 | 10% |
| 2/10 is the same as 1/5 | 0.2 | 20% |