

Useful Model and Images in Mathematics

Fractions	Decimals	Diagram	Out of 100	Percentages
1/10	0.1		10/100	10%
2/10	0.2		20/100	20%
3/10	0.3		30/100	30%
4/10	0.4		40/100	40%
5/10	0.5		50/100	50%
6/10	0.6		60/100	60%
7/10	0.7		70/100	70%
8/10	0.8		80/100	80%
9/10	0.9		90/100	90%
10/10	1.0		100/100	100%

Whole				and	Parts		
thousands	hundreds	tens	ones	● Decimal Point	tenths	hundredths	thousandths

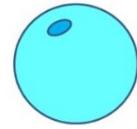
3D shapes



Cone



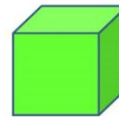
Cylinder



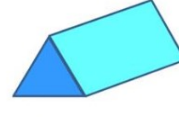
Sphere



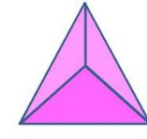
Square Based Pyramid



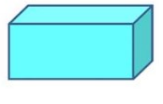
Cube



Triangular Prism

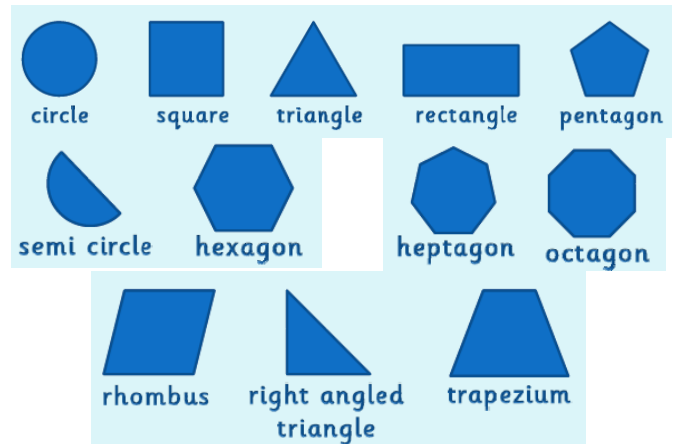


Tetrahedron



Cuboid

1 WHOLE									
$\frac{1}{2}$					$\frac{1}{2}$				
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$



WHEN YOU'RE DIVIDING FRACTIONS DON'T FORGET TO:

Keep Change Flip

$$\frac{1}{2} \div \frac{3}{5} \rightarrow \frac{1}{2} \times \frac{5}{3}$$

- Keep the first fraction.
- Change the division sign to multiplication.
- Flip the second fraction.
- Now multiply the fractions. Numerator x Numerator
Denominator x Denominator
- Simplify when necessary.