Q1. Solve the equation $7\left(\begin{array}{r}2 x+5)-3 x=10 x-1 \\ 4 x+35-3 x=10 x-1\end{array}\right.$
$11 x+35=10 x-1$

$16 \tan 54^{\circ}=x \quad x=2 \frac{2.02}{\overline{4}}$ (2d.p.)
23. Rearrange the formula $V=\frac{4}{3} \pi r^{3}$ such that $r$ is the subject

$$
\begin{aligned}
& 3 V=4 \pi r^{3} \\
& \frac{3 V}{4 \pi}=r^{3} \quad r=\sqrt[3]{\frac{3 V}{4 \pi}}
\end{aligned}
$$

Q4. Calculate the mean, median, mode and range of
$2,4,5,7,7,8,9,10$
Mean $=\frac{52}{8}=6.5$ Mode $=7$ Range $=10-2.8 \quad$ Median $=\frac{7+7}{2}=7$

Today we will be learning about angles in polygons.

Decide on groups of 4 for Famous Mathematicians.
Acquire material in your own time to create a poster all about a Famous Mathematician.

You will be presenting the poster to the class.

Angles in Polygons

A polygon is an enclosed 2D shape with at least 3 straight sides.

> Interior angle $\quad$ (Regular Polygons - all equal Exterior Angles)

Egg.
Hexagon
$360^{\circ} \div 6=60^{\circ}$
$180^{\circ}-60^{\circ}=120^{\circ}=$ Interic angle
Exterior angle $=180^{\circ}-120^{\circ}=60^{\circ}$
(i) Calculate the interior angle (shaded angle) for each



(ii) Calculate the exterior angle for the above polygons

