

# helpful tips



$1 \times 1 = 1$   
 $2 \times 2 = 4$   
 $3 \times 3 = 9$   
 $4 \times 4 = 16$   
 $5 \times 5 = 25$   
 $6 \times 6 = 36$   
 $7 \times 7 = 49$   
 $8 \times 8 = 64$   
 $9 \times 9 = 81$   
 $10 \times 10 = 100$   
 $11 \times 11 = 121$

## Area and perimeter

Perimeter of a rectangle or square is calculated by adding all 4 sides together. Try adding the length and width and then doubling for speed. So  $4 + 7 = 11$ , double 11 is 22.



Area of a rectangle is calculated by multiplying the length and width together. So length  $\times$  width = area

Using known facts and their relationships to place value

$$67 \times 9 =$$

Mentally find  $9 \times 6$   
tens = 540  
 $9 \times 7$  units = 63

Mentally add

$$603$$

## NUMBO—

180

To be used to quickly find missing angles in triangles especially. Either use NUMBO to 100 if number is lower and add 80 or NUMBO to 80 if after 100.

360

To find amounts of degrees or pie charts use this. To find quickly use NUMBO to 300 and add 60. If the number is above 300 just use NUMBO to 60.

Bamford Academy



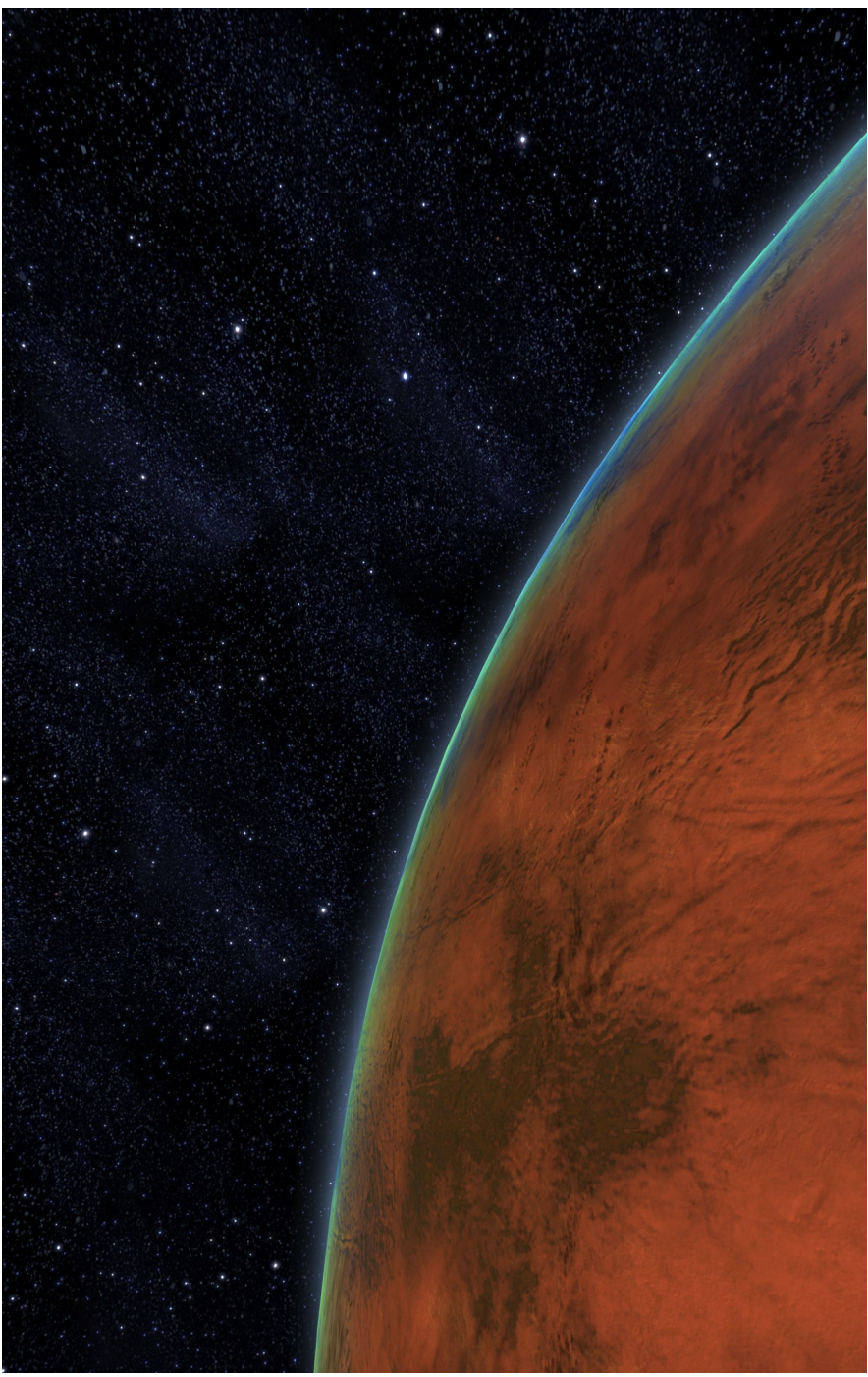
# Maths Passport Mars Station



Name \_\_\_\_\_

DOB \_\_\_\_\_

Class \_\_\_\_\_



# Mars Space Station

Moon Lift off targets to complete	Date Achieved	Date Achieved	Date Achieved
To know by heart all the square numbers to 12 and square roots of numbers to 144.			
To be able to calculate the area and perimeter of simple shapes.			
To find NUMBO to 180 quickly			
To find NUMBO to 360 quickly			
To mentally calculate any 2 digit number by 1 digit.			