## A littil bit of Maths Every DAY ..

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline MONDAY \& TUESDAY \& WEDNESDAY \& Thursday \& FRIDAY \& SATURDAY \& \multicolumn{4}{|c|}{SUNDAY} \\
\hline  \& - \(\sim_{\text {d }}\) D \& \& Write 72 as a product of its prime factors
\[
2^{3} \times 3^{2}
\] \& Convert the below fraction to a \%
\[
\frac{2}{5} \frac{40}{100}=401 .
\] \& A cube What is each face \(\sqrt{6}=\) side len Volume \(=\sqrt{6}\) \&  \& \& \& \[
{ }^{3}(20
\] \\
\hline I have 6 red pens, 4 blue pens and 3 green pens. What is the probability of choosing a green pen? \& \[
\begin{aligned}
\& \text { Share } £ 360 \text { in the } \\
\& \text { ratio } 1: 3: 5 \\
\& 40: 120: 200
\end{aligned}
\] \& Solve
\[
\begin{gathered}
2(4 x-4)=4 \\
4 x-4=2 \\
4 x=6 \\
x=1 \cdot 5
\end{gathered}
\] \& Without a calculator work out
\[
\begin{aligned}
\& 537.4 \times 4.8 \\
\& 2.579 .52
\end{aligned}
\] \& Without a calculator
\[
\begin{gathered}
\frac{3}{7} \times 420 \\
180
\end{gathered}
\] \& \[
\begin{array}{r}
\text { A } \\
\text { Alan, } \\
\text { Alan has } \\
\text { Bob has s } \\
\text { Altogeth } \\
\text { How ma } \\
3 C+21=72
\end{array}
\] \& \({ }^{C}\) and red 8 red 5 they goal = 51 \& \& \& \[
\begin{aligned}
\& A=C+8 \\
\& B=C+13
\end{aligned}
\] \\
\hline \begin{tabular}{l}
10 miles \(20 \min t^{2}\) \\
30 miltes: The \\
ismiles: 30 mens \\
If Emma travels 10 miles in 20 minutes how many miles will she do in 1 hour 30 minutes? 45 miles
\end{tabular} \& Factorise fully
\[
\begin{gathered}
5 x y+10 y^{2} \\
5 y(x+2 y) \\
\text { Expand } \\
4(2 m+1)
\end{gathered}
\] \& Solve
\[
\begin{aligned}
5 x+1 \& >x+13 \\
4 x \& >12 \\
x \& >3
\end{aligned}
\] \& Write \(4.31 \times 10^{-3}\) as an ordinary number.
\[
0.00431
\] \& Solve by 3.5 factorising.
\[
\begin{aligned}
\& x^{2}+8 x+15=0 \\
\& (x+3)(x+5)=0 \\
\& x=-3, x=-5
\end{aligned}
\] \& \begin{tabular}{c|c|}
\hline \& \multicolumn{1}{c}{ Comp } \\
\hline\(x\) \& 0 \\
\hline\(y\) \& -3 \\
\hline
\end{tabular} \& \[
\begin{array}{r}
1 \\
-1
\end{array}
\] \& 2
1 \& 3
3 \& \begin{tabular}{l}
18 \\
4 \\
5
\end{tabular} \\
\hline Without a calculator work out:
\[
\begin{gathered}
1160 \div 5 \\
5 \longdiv { 0 2 3 2 }
\end{gathered}
\] \& \begin{tabular}{l}
Pete invests \(£ 500\) at a rate of 1.5\% per year compound interest. \\
Find the value of the investment after 3 years.
\[
500 \times 1 \cdot 015^{3} \cdot 522 \cdot 84
\]
\end{tabular} \& \begin{tabular}{l}
A square has an area of \(100 \mathrm{~cm}^{2}\). \\
Find its perimeter.

$$
P=40 \mathrm{~cm}
$$

\end{tabular} \& Calculate:

\[
$$
\begin{aligned}
& \frac{3}{4}+\frac{4}{5} \\
& \frac{15}{20}+\frac{16}{20}=\frac{31}{20}=1 \frac{11}{20}
\end{aligned}
$$

\] \& | The nth term of a sequence is given by $3 n+5 .$ |
| :--- |
| Explain why 21 is not a term in this sequence. $21=3 n+5$ | \& The normal p Work out \&  \& \& \& ${ }_{\text {£ } 15}{ }^{25}$ <br>

\hline What is the Highest
Common Factor of
1,1812218 and 22?
$22,92011 \quad 2$

3,6 \& \[
$$
\begin{aligned}
& \text { Estimate } \\
& \frac{9 \times 10}{4 \times 4}=\frac{90}{16}=\frac{45}{8} \\
& \frac{8.6 \times \sqrt{99.7}}{4.34 \times 4.1} 5 \frac{5}{8}
\end{aligned}
$$

\] \& | A circle has a radius of $3 \mathrm{~cm} . D=6$ |
| :--- |
| Work out the circumference of the circle. $C=6 \pi \mathrm{~cm}=18.85$ | \& REMEMBER: TH \& | 3 $\begin{aligned} & n=16 \\ & n=\frac{16}{3} \text { nis nota } \text { nun } \end{aligned}$ |
| :--- |
| BEST WAY TO R | \& | nole |
| :--- |
| De IISE MATH | \& \[

15
\] \& \& \& 11" <br>

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\end{tabular}

