



NUMERACY BULLETIN

ISSUE 21

JULY 2024

MATHS EVENTS THIS MONTH!

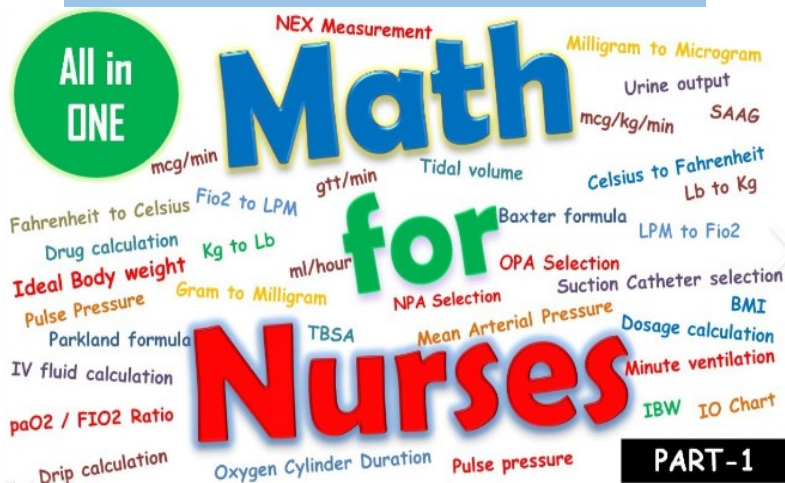
Family Maths night will start again in September. You have been sent a form on SIMS parent app to register your interest. Could you complete this asap please.

The winner of last month's numeracy competition was Malik R in 10P

TEACHER ON THE SPOT!

Miss Owens was filling the paddling pool with water. The hosepipe was pumping the water at a rate of 2 litres per minute. How long would it take to fill the pool if it holds 264 litres? Give your answer in hours and minutes.

CAREERS USING NUMERACY



Check out the numeracy page on the school web-site [here](#)

There are lots more GCSE resources added [here](#)

NUMERACY CHAMPION!

Mathswatch Champions this month are ...
Year 7 Viraj P
Year 8 Natasha A
Year 9 Thomas L
Year 10 Inayah M

STAFF: WHAT CAN I DO?

1. Talk aloud of strategies to solve problems.
2. Challenge students on the weekly tables.
3. Include maths in your lessons whenever possible.

PARENTS: WHAT CAN I DO?

1. Challenge your child on weekly tables.
2. Encourage your child to complete homework.
3. Encourage/direct your child to the school Numeracy page.

Estimation skills for checking answers

$$62 \times 29$$

$$\begin{array}{r} 60 \\ \times 30 \\ \hline 1800 \end{array}$$

1800 is a reasonable estimate.

CROSS CURRICULAR!

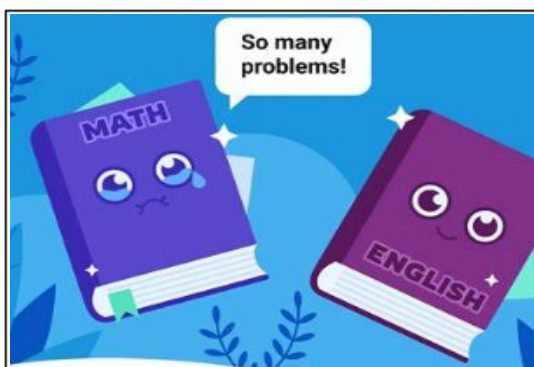
How much maths will be involved in Sports Day?

The answer is lots

Timings of races and winners

Calculating with points gained with positions in events

Planning the timetable of events and lots more.





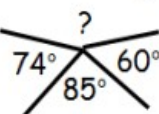




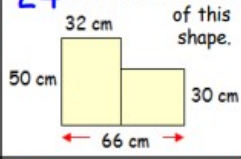
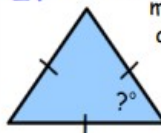
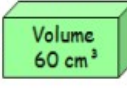




The English book asked the Math book why he was so sad.

You know what he said?

"Because I have so many problems!"

A bit of maths every day is a great way to improve your skills!

2	What is $\sqrt{160\,000}$?	3	Exchange Rate:-  £1 = \$1.29  Change \$322.50 into pounds	4	Calculate 1.2×300	5	Calculate $3.2 - 9.57 + 8.614$	6	Calculate $\frac{7}{9}$ of 3402	7	Simplify the following expression... $4x^2 - 8x - x^2 + 9x$														
8	 Change 47 grams into kilograms	9	Change $5\frac{2}{3}$ into an improper fraction.	10	Calculate 15% of £48	11	Calculate the area of this rectangle in cm^2 ... 	12	Write 0.02 as a fraction and a decimal.	13	Calculate the missing angle... 														
14	Select the prime number(s) from the following list... 131, 134, 135, 137, 139.	15	How far did a hot air balloon fly in 2 hour 45 mins at an average speed of 20 m.p.h? 	16	Solve the equation... $3x - 17 = -5$	17	4 bananas cost £3.16. How much do 5 bananas cost? 	18	2 cyclists begin laps around a circuit at the same time. Cyclist 1 takes 32 seconds to complete a lap, and cyclist 2 takes 40 seconds. After how long will they cross the start line at the same time again?	19	What is the Highest Common Factor 24 and 60? 														
20	There are 12 crayons in a pack. There are equal numbers of pink, blue, green and yellow crayons. A crayon is chosen at random. What is the probability of choosing a blue crayon? 	21	Express 120 as a product of prime factors	22	A square has a perimeter of 24 metres. Calculate its area.	23	If $p = 2$ and $q = -1$ calculate :- $3pq - 6$	24	Calculate the area of this shape. 	25	Calculate $\frac{1}{2} + \frac{7}{9}$														
26	Calculate $0.24 \div 0.4$	27	Calculate the missing angle... 	28	Calculate the breadth of this cuboid... 6 cm 5 cm  ? cm	29	Write a rule and complete the table... <table border="1" data-bbox="772 1151 995 1238"><tr><td>R</td><td>1</td><td>2</td><td>3</td><td>4</td><td>24</td><td></td></tr><tr><td>B</td><td>4</td><td>7</td><td></td><td></td><td></td><td>97</td></tr></table>	R	1	2	3	4	24		B	4	7				97	30	The ratio of diesel to unleaded cars is 5 : 8. If there are 248 unleaded, how many diesel are there? 	31	What is the bearing FROM Moscow to Glasgow? 
R	1	2	3	4	24																				
B	4	7				97																			

NUMERACY COMPETITION!

Hand your entries to your maths teacher before the end of Term for chance of winning a prize! Don't forget your name and form

Trevor buys a boat. The cost of the boat is £14 200. Trevor pays a deposit of £5000 He pays the rest of the cost in 10 equal payments. Work out the amount of each of the 10 payments	y is an integer and $-3 < y \leq 5$ Write down all the possible values of y.	$1053 \div 13$
Find 25% of 200	18×0.7	$1 - \frac{6}{13}$
	$(1 - 0.2) \times 10^3$	$12.3 \times \underline{\hspace{1cm}} = 1230$ Find the missing number.