Canonbury Home Learning



Year 6 Last week – Day 4

LO – TBAT use number properties to solve a murder mystery.

Task 1		Tasi	Task 2			
Arith	metic	Use number properties to complete the following modern when?	nurder m	ystery.		
25	$\frac{11}{12} - \frac{1}{2} =$	Who? One of the following four people has committed a crime. The criminal made 1 error, the victim has made 2 errors	Where? The murder was committee It happened where			
26	786	and the other two suspects have made 0 errors.	The maths o	classroom		
	× 94	The ICT teacher made the following The history teacher made the statements:	The dini	ng hall		
27	78.6 ÷ 4 =	 12 is a multiple of 2 5 is a factor of 20 6 is a triangular number 16 is the 4th square number 				
		2 is the only even prime number 20 has 6 factors	The g	ym		
28	0.025 = ?%	4 is a square number 40 is a multiple of 8	The playir	y where BOTH		
			When? Find the day v			
	4598	Л	Monday	72 can104 car		
29	× 62	The English teacher made the following statements	Tuesday	80 can72 can		
		3 is both a prime and a triangular number	Wednesday	• 104 car		
30	33% of 20 =	• 25 is a multiple of 5 • 9 has 3 factors	Thursday	• 72 can		
		The maths teacher made the following statements: • 5 is a multiple of 20	Friday	• 104 car		
31	29)6833 =	• 12 has 6 factors				
		1 is a prime number 21 is the 6th triangular number	Who			
		• 21 is the 6 th triangular number	Where When			
32	$\frac{3}{8} \times \frac{5}{7} =$	4 is a factor of 18	1111011			

		ed at one of the locations below, but which one? are TWO of the calculations are correct.	
The maths	classroom	Multiples of 8 are 8, 16, 24 All the factors of 6 are 1,2 and 3 6 is both a factor and a multiple of 32	
The dini	ng hall	All the factors of 6 are 2, 3, and 6 Multiples of 8 are 16, 24 and 32 Lowest common multiple of 6 and 10 is 60	
The <u>c</u>	jym	6, 12, 18 and 24 are factors of 6 Multiples of 8 are 8, 16, 24 and 32 Highest common factor of 6 and 10 is 30	
The playi	ng fields	Multiples of 8 are 1, 2, 4, and 8 1, 2, 3 and 6 are all the factors of 6 Lowest common multiple of 6 and 10 is 30	
When? Find the day	where BOTH	statements are correct:	
Monday		be written as 2 x 2 x 2 x 3 x 3 n be written as 2 + 2 + 2 + 13	
Tuesday	 80 can be written as 2⁴ x 5 72 can be written as 3³ x 2² 		
Wednesday		n be written as 2 x 2 x 2 x 13 be written as 2 ⁴ x 5	
Thursday	• 72 can be written as 2 x 2 x 3 x 3 • 80 can be written as 2 x 2 x 2 x 2 x 5		
Friday		n be written as 2 ³ x 13 be written as 2 x 2 x 2 x 5	
		The Accusation	
Who			
Where			
When	I		