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HEROES TUITION

November Homework Maths Gold

Please return this booklet to your maths teacher by the end of the month. All answers will be sent to your parents or guardians, so please ensure it is marked before handing it in.





Name:	Gold
2nd November	
Simplify $\frac{35}{50}$	6 7 2 7 8
	Image: Sector
Circle all the cube numbers	36 64 100 52 27 125 81 300
A square measures 30cm by 30cm A rectangle is 7cm <u>longer</u> and 2cm <u>narrower</u> than the square. What is the difference in area between the two shapes?	
Here is a number written in Roman numerals DCCI Write the number in figures	

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Name:	Guiu
3rd November	
7 5 8 8 7	$\frac{3}{5} + \frac{7}{10}$
Image: Section of the section of th	
Ella and Caitlyn each start with different	What numbers could they have started
Ella adds 8 to her number. Caitlyn divided her number by 3.	Ella
Ella and Caitlyn both get the same answer.	Caitlyn
Raisins cost 90p for 100 grams.	
What is the cost of 450 grams of raisins?	
Dried apricots cost £1.20 for 100 grams.	
Leo pays £3 for a bag of dried apricots.	
How many grams of dried apricots does he buy?	









Name: ___

Gold



Name:		Gold 🜔
9th November		
25% of 36	700 ÷ 1,000	
How many more people live in England than Scotland and Wales combined?	Country	Population
	England	55,128,200
	Scotland	5,408,923
	Wales	3,113,674
In a quiz, each correct answer is worth 4 points and each wrong answer is worth -3 points. A team is asked 10 questions and they answered 3 correctly. What is the team's final score?		
Here is an equilateral triangle.	Λ	
Find y	y y	\geq

10th November $\frac{2}{3} = \frac{100}{54}$ $75\% = \frac{111}{111}$ Round 17,529 to the nearest 1,000 Karl is baking a loaf of bread and needs 0.5 kg of flour. He has 40 grams of flour. How much more flour does Karl need? Give your answer in grams. Work out the difference between the sum of 21 and 22 and the product of 21 and 22

Name: **11th November** 28.6 - 4.16-50 + 18Write all the common multiples of 5 and 9 that are between 50 and 150 How many times larger is the area of Country Area Madagascar than the area of The Bahamas? Madagascar 580,000 km² 10,000 km² The Bahamas Hannah finished a 10 kilometre race in 50 minutes 33 seconds. Fiona finished 6 minutes 56 seconds before Hannah. How long did Fiona take? min sec





Gold Name: 14th November $9^2 + 7^2$ 9 7 2 7 2 Jo has 80 sweets. She gives 25% of the sweets to her friends. How many sweets does Jo have left? List the first 3 cube numbers The numbers 1,2,3,4,5 and 6 are written on the faces of the cube. The numbers on the opposite faces add up to 7. Write the numbers on the net of the cube.

Name: **15th November** % 10% of 2,010 0.5 = % Mr Smith hires a plumber and the job lasts 19 hours. The cost of a plumber is found by Work out the total cost. £15 x number of hours Circle the number that is in the wrong cube numbers odd numbers position 8 27 1 4 Sophie buys a caravan for £10,000 She pays a deposit of £4000 and then pays the rest over 20 equal monthly payments. How much is each monthly payment?



Name: **17th November** 2 3 4 $1.13^3 = 64$ 4 7 х Arrange these numbers in order, starting with the largest. 0.342 0.095 0.256 0.14 0.6 0.2 Bethany buys 5kg of flour. She is making pizzas that each need 400g of flour. What is the maximum number of pizzas that Bethany can make? How much flour will Bethany have left?

18th November	
$\frac{49}{15} = 3\frac{11}{11}$	
City Population	
Preston 190,687	
Birmingham 1,224,136	
Telford 166,641	
How many more people live in Birmingham than the combined population of the other three cities?	
Mr Jenkins is tiling a square floor. He uses 144 square tiles.	
Work out how many tiles are in each row.	
Three numbers have a mean of 8.	
All three numbers are different.	
Write 3 possible numbers on the cards	

Name: _ **19th November** 1 % 10^{3} 25 % Write these numbers in order, starting with the smallest. 7.23 2.7 7.226 7.3 2.37 Patterns are made from yellow and blue triangles. Pattern 1 Pattern 2 Pattern 3 How many yellow triangles are there in How many blue triangles are there in Pattern 6? Pattern 6?









Name:	Gold
24th November	
9.7	$\frac{9}{10} - \frac{2}{5}$
× 0 1	
Write three factors of 36 that are not factors of 24	
A box of staples contains 1,000 staples.	
A secretary wants to order 300,000 staples.	
How many boxes of staples should they order?	
Find the mean of these numbers	
17 18 25 32 43	

Gold Name: **25th November** 6 9 50% of 30,000 5 3 х Here is a net of a cube. Х Draw one more cross so that the cube will have crosses on opposite faces Here is Adrian's timetable on a Monday. PE maths break English lunch science 9:50 10:00 12:10 2:20 9:00 11:05 1:05 am pm How long does the PE lesson last? Adrian leaves school at 11:30 to go to the dentist. How many minutes of his English lesson did Adrian miss?

Name: _

Gold





Name: _

Gold







