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HEROES TUITION

November Homework Maths Numeracy

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.



1st November	Numeracy
A minibus can hold 16 passengers.	
How many passengers can travel in 9 minibuses?	
8cm 3cm	Find the perimeter of the rectangle.
Draw a 120 degree angle	
	Shade two more squares so that the shaded shape is a net of a cube.
	Shade six more squares to create a different net of a cube.

2nd November				
Work out $-5 + 6$				
Find x	57° 81°			
Write these numbers in order of size. Start with the smallest number.				
0.507 0.75 0.5 0.078				
Change 132cm into metres.	Change 98cm into metres.			
Write down the shape that is made from this net.				

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Write down all the factors of 60.
How many red cars enter the car park between 7am and 9am.

4th November	
What fraction of the shape is shaded?	
Work out $\sqrt{49}$	
Calculate the perimeter of a rectangle that has length 13cm and width 4cm.	
Work out $\frac{2}{5}$ of 25	
David runs for 420 seconds. How many minutes is this?	

5th November		
Work out the product of 12 and 3	Work out the difference between 90 and 35	
X 42°	Find x	
A footballer plays 20 matches in a season. In each match he plays 90 minutes. Work out the total number of minutes he played.		
Raffle Tickets 40p each Georgia sells 5 books of raffle tickets. There are 10 tickets in each book.	How much money does Georgia raise?	
FranceGermanyPolandPortugalSpainMedals won3444117The table shows how many medals were won in the 2012 olympics by 5 countries.5	The total number of medals won by these countries was 106. How many medals did Poland win?	

6th November				
Work out 3^2	Work out $\sqrt{36}$			
Here is a list of numbers	Write down a square number			
12 18 23 49 50 21				
Write down a prime number				
Work out 5.7 – 3.62				
Find the value of 115 x 27				
	Write down the probability that the			
1 2 3 4 5 6	card is a number 5			
A card is picked at random				

7th November			
List the first five square numbers			
Double 336	9.2 + 1.25 + 3.66		
у 🛉	Plot the coordinate A (1, 3)		
7	Plot the coordinate B (5, 5)		
3	C is the midpoint of AB.		
-1 0 1 2 3 4 5 x	Write down the coordinates of C.		
Complete the pictogram	Key)= £10 Tutor group Raised		
	S £50		
	T £30		
	E £15 P £40		

8th November				
Work out 50% of £40	Work out 25% of 24cm			
3 6 12 24 What is the rule for the sequence above?	What are the next two numbers?			
How many days are there in four consecutive years?				
× 8cm 4cm 25cm	Find x			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Matt arrives at school at the time shown. He left his house twenty five minutes earlier . What time did he leave?			

9th November				
Work out				
12 ²				
Write the number 17,082 in words.	17,082 % • OFF CCB RCM M• M• ÷			
123 119 115	22 cannot be a term in this sequence.			
Write down the next two terms	Why?			
Mrs O'Hagan gave her class a test. Two thirds of the class passed the test.				
There are 27 students in the class.	~			
How many failed the test?				
The probability of a football team winning a match is 80%.	What is the probability of the team losing the match?			
The probability of the team drawing is 13%				

10th November						
List the first five multiples of 12.					-	
Here is part of	a bus tim	etable				
		Departu	ure times			
Newry	14:15	14:45	15:20	15:40		
Banbridge Dromore	14:37 14:48	15:07 15:18	15:42 15:53	16:02 16:13		
Belfast	14:48	15:48	16:23	16:43		
Niall gets the	14:45 bus	at Newrv a	and	How long s	nould his journey l	ast?
travels to Dror		, ·			·····	
What time sho	uld bo arr	ivo?				
what time sho		IVE ?				
Draw a chap	o with 4 li	noc of our	nmotry			
Draw a shape		nes or syr	meny			
Express 50p as a percentage of						
£10.						

11th November				
Draw a hexagon	What is the name of a 7 sided shape?			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Show the time 4.25 on the clock			
Seven pens cost £1.54 Two pens and a ruler cost £1	What is the cost of one ruler?			
Victoria thinks 33 is a prime number. Explain why she is wrong.				
	Shade in one more square to make a pattern with 2 lines of symmetry.			

12th November		
Work out 25% of 40		Work out 10% of 40
Three consecutive number 27.	rs add to	
What are they?		
Find y		y 95° y 117°
Menu Tea £1	.55	Dave buys 3 bottles of water and a tea and a milkshake. He pays with a £20 note.
	2.80 p p .90	How much change will Dave get?

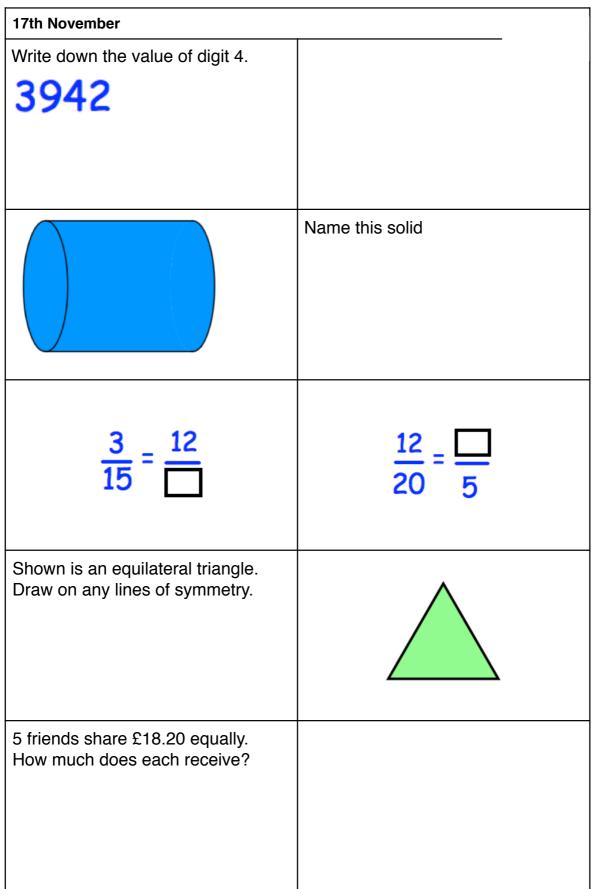
13th November	
What fraction of the shape is shaded? What percentage of the shape is shaded?	
What number is halfway between 7 and 8?	What number is halfway between 1.4 and 1.5?
% of 60 = 30	
% of 60 = 15	
154 x 27	
What is the mathematical name of this solid?	

14th November		
What number is halfway between 30 and 90?	What number is halfway between 20 and 70?	
+ = 22		
square number prime number		
A B C C D F F	Name shape A	
G H	Write down the letters of the shapes which are congruent to shape A	
Paul is a car salesman. He is paid £350 per week and £120 for every car he sells.		
In one week, he sells 3 cars. How much is he paid that week?		

15th November	
Write 3 metres in centimetres	Write 0.7 metres in centimetres
Which metric unit would you use to measure the following:	The diameter of a plate.
The amount of water in a glass	The weight of an airplane
Burger £4.50 Salad £2.75 Chips £2.85 Drink £1.80 Steve buys a burger, a salad and a drink.	How much change will he get from £10?
The temperatures in a city over a six days in December were: 1°C 3°C –2°C 0°C 4°C –8°C	Arrange the temperatures in order, starting with the warmest.

16th November		
Draw a right angle	Draw a reflex angle	
Find the distance from the hotel to the shop.	$\frac{11}{12}$ km	
	Beach Hotel Shop	
	$\frac{5}{12} km$?	
Image: Constraint of the second se	Name the shape drawn on the grid. Reflect the shape in the mirror line	
Write $\frac{1}{8}$ as a decimal	Write $\frac{1}{8}$ as a percentage	

Name: ___



Name: ___

18th November		
Write 3103 in words	Write two thousand and one in figures	
Work out 11 ²		
Write 65% as a decimal.	Write 0.3 as a fraction	
On a bus there are 35 passengers. Four-fifths of the passengers are right handed.	How many passengers are right handed?	
Jenny, Hannah, Greg and Paul share £512 equally. How much do they each receive?		

19th November		
Round 179.6 to the nearest whole number	Round 12.48 to the nearest whole number	
	Which shape is congruent to A? Name two other congruent shapes.	
6cm	Find the area of the square Find the perimeter of the square	
$\frac{6}{11} + \frac{2}{11}$	$\frac{6}{11} - \frac{2}{11}$	

20th November	
12 13 14 15 16 17 18 From the list: Write down a prime number	From the list: Write down a multiple of 8
From the list: the two numbers that have a sum of 34.	
	This is the net for which solid?
15 14 13 12 11 10 9 8 7 6 5 4 3	How many students had a size 5 shoe? How many students were in the class?
$\begin{array}{c} 2 \\ 1 \\ 0 \\ 4 \\ 5 \\ 6 \\ 7 \\ Shoe Size \end{array}$	

21st November	
Draw a shape with one line of symmetry	
$3 \boxed{4} \\ + 286 \\ \boxed{4}$	
In a class of 30 students, 12 are male.	What fraction of the class are female?
What fraction of the class are male?	
How many seconds are in 12 minutes?	How many seconds are in 24 minutes?
The population of a country is 9 million.	
Write 9 million in figures.	

22nd November	
Work out 111 + 231 + 109	Work out 417 divided by 3.
Write down the first five multiples of 6.	Write down all the factors of 16.
What type of angle is shown?	
List the square numbers between 10 and 50.	List the prime numbers between 30 and 40.
Ben buys a packet of 40 sweets. 25% of them are red.	$\frac{3}{5}$ of them are green. Work out $\frac{3}{5}$ of 40.
Work out 25% of 40	

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23rd November	
Write the value of the 5 in the number	
7563	
Shown is a fair spinner.	
What is the probability that the spinner lands on a 3?	4 3 3 4 3 3
Michelle is making chocolate cakes. Each cake needs 300g of chocolate.	
Michelle has 2.4kg of chocolate.	
How many chocolate cakes can Michelle make?	
3894 + 124	
Write 0.017 as a fraction	

24th November	
Find ¹ / ₃ of 18	Find $\frac{4}{7}$ of 56
At a Bath Rugby match, there were 13,512 spectators. Write 13,512 in words.	
Karen says "the product of an odd number and an even number is always even." Show she is correct	
Find 20% of 250	
Write these in order, smallest first $0.06 \frac{1}{2} 4\% 0.1$	

25th November			
Work out 7 x 23	Work out 128	84 - 311 illimetres into ce	ntimetres
1 5 3 4 2 9 10			
Convert 8 centimetres into millimetres			
Complete these fractions to make each equivalent to $\frac{5}{6}$	$\frac{15}{\Box}$	$\frac{\Box}{36}$	$\frac{70}{\Box}$
Georgia buys 5 books.			
Each book costs £7.49			
How much money does she spend?			
Find the perimeter of this shape.	1.8	1.6cm 0.9cm 2.7cm	

26th November		
Write 394 in words.	Write twelve thousand and fourteen in figures.	
у А	Plot the coordinate A (4, 3)	
6 5	Plot the coordinate B (1, 7)	
-1 0 1 2 3 4 5 \mathbf{x}	C is the midpoint of AB. Write down the coordinates of C.	
Write 50:400 as a ratio in its simplest form		
The probability that a train is late is 0.3	What is the probability that the train is not late?	

27th November		
A pen costs £2.65. Thomas pays with a £5 note. Work out how much change he should receive.		
Work out	Work out	
0.09 x 100	920 ÷ 1000	
3 5 2 8	Using all four digits shown, create the smallest possible four digit number.	
Shown are four discs, each with a digit written on it.		
Using all four digits shown, create the largest possible four digit number.	Using all four digits shown, create the smallest possible odd four digit number.	
Work out 50% of £320	Work out 10% of £14	

28th November	
9 8 2 9 4 6 7 7 4 0 0 0	Find the row and column totals.
Simplify fully	
<u>21</u> 28	
4.2 – 1.82	
David buys a ruler for 80p and two pencils. Both pencils cost the same price.	How much does one pencil cost?
David pays with a £10 note and receives £7.70 change.	
James is running in a 5 kilometres ran.	
He has run 300 metres. How much further, in metres, must he run?	

29th November		
Harry buys a motorcycle for £2000. He pays for it over 4 equal monthly payments. How much does he pay each		
month?		
A pie is cut into 6 equal slices. One slice is eaten.		
What fraction is left?		
Write down the 15th odd number		
The perimeter of the rectangle is 20cm.	× 2.4cm	
Find x		
There are 8200 fans at a rugby match between Bath and Newcastle.	Work out how many male fans support Newcastle.	
3600 of the fans are female. The rest of the fans are male. 1⁄4 of the male fans support Newcastle.		

30th November		
Convert 8km into metres	Convert 3200g into kilograms	
	Shade in $\frac{2}{3}$ of the grid.	
Round 209,987 to the nearest 1,000		
Anthony has £20. A snack costs 45p each. He buys as many snacks as possible. How many snacks does he buy?		
How much change does he get?		