

Shakespeare Homework – Spring 1

Assignments – You must choose 4 maths and 4 topic homework assignments to complete. Homework deadlines will be set by your class teacher. If you want to do extra – that's great. You will receive 10 house points for every completed assignment. If you gain 100 points you will receive a homework certificate.

Topic Choose 4 to complete	Maths Choose 4 to complete
<p><u>Biography</u></p> <p>Find out about the life of William Shakespeare.</p> <p>Write a biography of his life showing the important dates/events and what he is most famous for.</p> <p>Include pictures to interest the reader.</p>	<p><u>Factors Investigation</u></p> <p><i>Abundant Numbers</i></p> <p>To find the factors of a number, you have to find all the pairs of numbers that multiply together to give that number.</p> <p>e.g. The factors of 48 are:</p> <p>1 and 48 2 and 24 3 and 16 4 and 12 6 and 8</p> <p>If we leave out the number we started with (48) and add all the other factors, we get 76:</p> $1+2+3+4+6+8+12+16+24=76$ <p>So 48 is called an abundant number because it is less than the sum of its factors (without itself). (48 is less than 76.)</p> <p><i>How many other abundant numbers can you find?</i></p>
<p><u>News reports</u></p> <p>Read a news report of your choice.</p> <p>Has it used any quotes from people who were involved with the news event?</p> <ul style="list-style-type: none"> • Make a note of these • How does the journalist show who is giving the quote. • Can you find any examples of reported speech in the news report? 	<p><u>Prime number investigation</u></p> <p><i>How many square numbers can you make by adding two prime numbers together e.g $2+2 = 4$ (2 is a prime number and 4 is a square number).</i></p>
<p><u>Letter</u></p> <p>Imagine you are Lady Macbeth, writing a letter to persuade Macbeth to fulfil his ambitions to become king.</p> <p>What would you say to persuade him to become king? How would you reassure him about the future?</p> <p>Try and use persuasive writing techniques: emotive language, rhetorical questions, groups of 3 etc.</p>	<p><u>Rounding items to estimate a shopping bill.</u></p> <p>Ask your mum, dad or carer to give you their till receipt from shopping. Ask them to cover up the total.</p> <ul style="list-style-type: none"> • Use your rounding skills to estimate the total cost of the shopping bill. Record your working out an estimate. • Predict if your estimate will be higher or lower than the exact amount, explaining your prediction. • When you have done this, ask your adult to tell you the exact total. How close was your estimate to the exact amount? (show your working out!)

<p><u>Describing</u></p> <p>Write a paragraph to describe a setting in Macbeth e.g. the Heath, Glamis Castle, the Banquet Hall, The woods etc.</p> <p>Use descriptive language techniques e.g. similes, metaphors, personification, alliteration powerful verbs, adverbs etc. Try and include subordinate clauses, adverbial phrases and relative clauses to add details to your descriptive sentences.</p>	<p><u>Multiplication Problems.</u></p> <p>Make up 4 word problems where someone would need to multiply a 3 or 4 digit number by a single digit e.g. 356×8.</p> <p>Solve your problems choosing either the grid method or short multiplication method.</p>
<p><u>Forces:</u></p> <p>Have a look around your house – can you find any examples of where lever and pulley mechanisms are being used?</p> <p>What other forces can you see at work in your house?</p> <p>Present your work as a picture or a poster – make sure it is labelled!</p>	<p><u>X and ÷ strategies</u></p> <p>Do these multiplications and divisions using one of the following methods:</p> <p>Place value e.g. $7 \times 4 = 28$ so $70 \times 40 = 2800$ Halving and doubling e.g. 5×36 turned into 10×18 Regrouping e.g. $189 \div 3$ is $180 \div 3$ and $9 \div 3$.</p> <p>$0.4 \times 8 =$ $90 \times 700 =$ $60 \times 8 =$ $20 \times 0.5 =$ $0.04 \times 0.07 =$</p> <p>$24 \times 4 =$ $32 \times 5 =$</p> <p>$72 \div 3 =$ $568 \div 7 =$</p>
<p><u>DT - Structures</u></p> <p>Make a bridge construction using materials of your choice.</p> <p>Either bring it into school and take a photo of it and record in your Learning Log!</p>	<p><u>Use clues to solve a problem: Fifteen Cards</u></p> <p>I have fifteen cards numbered 1– 15.</p> <p>I put down seven of them on the table in a row.</p>  <p>The numbers on the first two cards add to 15. The numbers on the second and third cards add to 20. The numbers on the third and fourth cards add to 23. The numbers on the fourth and fifth cards add to 16. The numbers on the fifth and sixth cards add to 18. The numbers on the sixth and seventh cards add to 21.</p> <p><i>What are my 7 cards? Can you find any other solutions? How do you know you've found all the different solutions?</i></p>
<p><u>RE</u></p> <p>Make a collage showing the most important things in your life.</p>	<p>Write these mixed numbers as improper fractions</p> <p>$3 \frac{1}{4}$ $2 \frac{1}{8}$ $5 \frac{2}{3}$</p>

	$6\frac{1}{2}$ $7\frac{3}{4}$
<p><u>Find out about the Globe Theatre</u></p> <p>Draw an 'intersection' diagram showing the inside of the theatre. Label the different parts of it e.g. the Stage.</p>	<p><u>Factors</u></p> <p>Make factor bugs for the following numbers:</p> <ul style="list-style-type: none">• 12• 18• 20• 13• 5• 24• 36• 50• 100