

Year 6 Homework

Autumn Term

Week 10

English Homework:

Must:

In the news!

- Read this letter from a World War II parent to their child who has been evacuated.
- Use the letter to write a news report about the events that happened.

14 Wilson Street
Bromley
East London

23rd February 1941

Dear Harry

How are you getting along, son? I hope that Mrs Jones is still taking good care of you and that you're enjoying that good food on the farm. What I wouldn't give for a real fresh egg rather than the powdered stuff in the shops here!

My news isn't so good. There has been a lot of bombing over the past three nights, though I'm OK and our house is still standing, so don't you worry. Other people haven't been so lucky though. Half of Jacklin St has been flattened and most of the other houses are barely habitable. About 200 houses on the other side of the park were hit quite badly too – incendiary bombs, so the fire crews have had a busy time. At least the air raid sirens went off in time, so most people were down in their shelters or in the underground station. After all the false alarms, the wardens were worried that some people wouldn't go, but they did. I just sat it out in the Anderson in the garden with your Gran. The factory was also hit, but it's not too badly damaged. I'm getting a few days off work while they do the repairs though. Everyone is helping each other out and keeping each other's spirits up. Quite a few of the neighbours have offered to put up people whose houses have been destroyed. I've got someone coming to use your room for a few weeks. I didn't think you would mind.

I had a letter from Dad yesterday on his ship. He's well and sends his love. He hopes to be home on leave soon, which will be good.

I'm missing you lots, though I'm glad that you're somewhere safe. Write back soon and tell me what you have been doing.

All my love

Mum

Should:

School dinners: healthy or not?

- Copy out the text below and replace the missing punctuation and capital letters in this draft magazine article:

remember your school dinners are they horrible memories of carrots cabbage and semolina which you were made to finish before leaving the table or perhaps you hold dear your childhood diet of soggy macaroni with baked beans these days school children in the UK prefer burgers and chips and that is what they are given it is estimated that a quarter of UK children rely on school dinners as their main meal for the day so now the government is proposing healthier standards for food in schools by setting compulsory nutritional standards

But will children go for the healthier option if your child had to choose between pizza with chips and a fresh crunchy salad, what do you think they would go for

headteacher joe jones backs the proposals for teaching children about healthy eating but recognises that giving them a choice will not necessarily work at the end of the day we can't make children eat things they don't want to eat he said some parents say pupils should not be served unhealthy food at all

Could: Pick a prefix

- Add the correct prefix to each word. Use a dictionary to check any you are unsure of.

un or im

able
helpful
important
probable
mature
fortunate
mobile

dis or de

hydrate
humidify
ability
affected
disagree
satisfy
contaminate

un or dis

memorable
decided
satisfied
agreeable
limited
noticed
respectful

dis or mis

able
inform
appear
behave
apply
qualify
represent

un or in

accessible
determined
appropriate
impressive
reliable
memorable
expensive

im or il

possible
logical
moral
legal
probable
legible
logical

Spellings Homework:

Year 6 Spellings week beginning – Monday 25th November – Word families based on common words, showing how words are related in form and meaning

	look 	say	cover	write	check
Temperature					
temper					
temperament					
Tempered					
variety					
vary					
variation					
varied					
variable					
variance					

Maths Homework:

Must:

For each question, choose the expression that matches one of the problems algebraically, and then solve the problem.

Example:

Twelve more than a number is 34. What is the number?

$n-12=34$

$12+n=34$

$34-12=n$

$n= \underline{22}$

1. Ten less than a number is 26. What is the number?

$n-10=26$

$10-n=26$

$n=26-10$

$n= \underline{\hspace{2cm}}$

2. 16 is added to a number to make 35. What is the number?

$35+16=n$

$n+16=35$

$35=16-n$

$n= \underline{\hspace{2cm}}$

3. Fifteen is subtracted from a number to make 26. What is the number?

$26-n=15$

$15-n=26$

$n-15=26$

$n= \underline{\hspace{2cm}}$

4. Seventeen more than a number is 43. What is the number?

$17+n=43$

$17+43=n$

$n-17=43$

$n= \underline{\hspace{2cm}}$

5. A number has thirteen added to it to make 42. What is the number?

$13+n=42$

$42=n-13$

$n=13+42$

$n= \underline{\hspace{2cm}}$

6. What number has 24 added to it to make 51?

$n-24=51$

$24+n=51$

$n+24=51$

$n= \underline{\hspace{2cm}}$

7. What number has nineteen subtracted from it to make twenty-five?

$n-19=25$

$25-n=19$

$n-25=19$

$n= \underline{\hspace{2cm}}$

8. 56 is the total of a number and twenty-seven. What is the number?

$n+56=27$

$27+56=n$

$27+n=56$

$n= \underline{\hspace{2cm}}$

Should:

1. Use simple formulae.

a) Calculate the value of the letter in each equation:

$3a = 12$	$a =$
$30 = 5b$	$b =$
$8c = 72$	$c =$
$48 = 12d$	$d =$

b) Calculate the value of the letter in each equation:

$20 = 4h + 4$	$h =$
$3i + 5 = 11$	$i =$
$14 = 6j - 4$	$j =$
$2k - 5 = 5$	$k =$

c) In these equations, **a** is worth 7. Calculate the value of each shape:

$\triangle = 3a$	$\triangle =$
$4 + a = \text{pentagon}$	$\text{pentagon} =$
$\diamond = 10 - a$	$\diamond =$
$a + a = \square$	$\square =$

2. Generate and describe linear number sequences.

a) Fill in the first two terms in this sequence:

..... 55 63 71

b) 8 is the **first** term in this sequence. What is the 7th term?

8 11 14 17

c) Find the missing numbers in this sequence:

22 70

d) The formula $5n + 1$ can be used to calculate the value of the terms in this sequence:

6 11 16 21 26

Fill in the missing information in this table:

term	calculation	value
1st	$5 \times 1 + 1$	6
5th		
10th		51
20th	$5 \times 20 + 1$	

e) 3 7 11 15 19

11 is the **third** term in this sequence. Circle the formula that could be used to calculate this term:

$3 \times 4 - 1$	$3 \times 5 - 1$	$3 \times 4 + 1$
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f) 12 22 32 42 52

12 is the **first** term in this sequence. Calculate the 9th term, **showing the formula you would use**:

3. Express missing number problems algebraically.

a) A plumber charges £16 for each job that he attends, and then £9 per hour for every hour that he works. Circle the formula that could be used to calculate how much the plumber would charge for a job:

h stands for the number of hours worked

$9h - 16$	$16h + 9$	$9h + 16$
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- b) Emily and Becky are sisters. This formula can be used to calculate Becky's age, compared to Emily's age:

$$e + 4 = b$$

e stands for Emily's age.

b stands for Becky's age.

When Emily is 11, how old will Becky be?

When Becky is 17, how old will Emily be?

- c) A gardener calculates the perimeter of a garden to work out how much fencing is needed. She uses this formula:

$$l + w + l + w$$

l stands for the length of the garden.

w stands for the width of the garden.

Simplify this formula:

.....

- d) A builder needs to calculate the area of a bathroom floor, to work out how much it will cost to tile it. Tiles cost £5 per square metre, plus £10 for delivery. He uses this formula:

$$5a + 10$$

a stands for area of the floor (in square metres).

Calculate the **cost** of tiling a floor, where the area is 10 square metres:

.....

Calculate the **area** of a floor, where the cost of tiles is £110:

.....

Could:

- e) A painter and decorator charges £8 for every hour that she works, and she is currently offering a discount of £5 on each job.

Write the formula she could use to calculate how much money to charge her customers.

Use **h** to represent the number of hours.

.....

4. Find pairs of numbers that satisfy an equation with two unknowns.

a) Find 3 different possible pairs of values for **a** and **b** in this equation:

$$ab = 18$$

(**a** and **b** are whole numbers.)

Value of a	Value of b

b) Find 3 different possible pairs of values for **a** and **b** in this equation:

$$19 = ab + 7$$

(**a** and **b** are whole numbers.)

Value of a	Value of b

c) Calculate the value of each letter:

$ef = 21$	$e + f = 10$	$e < f$	$e = \dots\dots\dots$	$f = \dots\dots\dots$
$g - h = 3$	$g + h = 9$		$g = \dots\dots\dots$	$h = \dots\dots\dots$
$i \div j = 4$	$ij = 16$	$i > j$	$i = \dots\dots\dots$	$j = \dots\dots\dots$

5. Enumerate possibilities of combinations of two variables.

a) In this equation, **a** and **b** are different whole numbers which are both less than 11.

$$2a = b$$

Write the calculations that would show all the possible values of **a** and **b**:

b) Use this equation to fill in the missing information in the table below:

$$7a + 4 = b$$

Value of a	Value of b
2	
	11
4	
	25

Mental Arithmetic:

This week's test will be on adding and subtracting fractions.