

School Closure

Work Pack 3



Year 5 – Mr Stagg

Name:

'Bore da pawb! Welcome back! Did you all have a good Easter break? Where did you go? Who did you see? What did you get up to?'

...is what you would all normally hear me saying if we were in school right now!

Never mind! I'm sure we'll have lots of questions for each other when we return. I really hope you have all had a restful two weeks! Hopefully you've all enjoyed the beautiful weather we have been having! Thank you to those of you who have sent photos to us on Twitter of your activities, walks and Easter eggs (I bet they've all been eaten by now)!

While you've been relaxing, the staff of WPS were busy putting together a video to make you smile! The video has been viewed on YouTube over 1,300 times, so thank you to you all for watching it! If you haven't seen it yet, you can view it here -

<https://www.youtube.com/watch?v=rL4Sx4cj1oo>

Anyway, it's a new term which means a new work pack! This week you will find the usual Maths, English and Science tasks for you to try. Please remember not to panic if you get confused with a piece of work or you don't understand it - you are allowed to leave it if you can't do it. We'll go over everything when we get back to school.

As well as this, keep using the facilities on Hwb - lots of you have downloaded Minecraft: Education Edition onto your computers and laptops which is great! I am hoping for us all to take part in a virtual lesson on this in the near future!

I have also left a new list of some websites below where you can find some extra work if you would like it.

And remember - keep positive and keep up the phenomenal efforts you've been making so far! Now hands up if you're about to tuck into another Easter egg!



Mr Stagg

Useful Websites:

- Hwb (Type Minecraft in the search bar to download Education Edition for free) - <https://hwb.gov.wales/>
- Twinkl (Click on 'Home Learning Hub' for any extra work that may interest you) – <https://www.twinkl.co.uk/>
- Tpet (Sign up for a free account and download some resources) - <https://tpet.co.uk/>

Number Problems

Challenge 1

1

What are the number bonds to 50 for these numbers?

a) 28

b) 34

c) 22

2

Answer these.

a) $65 + 19 =$

b) $33 - 9 =$

c) $79 + 7 =$



3

Find the missing numbers.

a) $75 +$ $= 125$

b) $100 - 19 =$

c) $175 -$ $= 90$

d) $75 - 19 =$

Marks.

Challenge 2

1

What are the number bonds to 1000 for these numbers?

a) 328

b) 174

c) 17

2

Answer these.

a) $1299 + 53 =$

b) $101 - 75 =$

c) $1502 - 61 =$

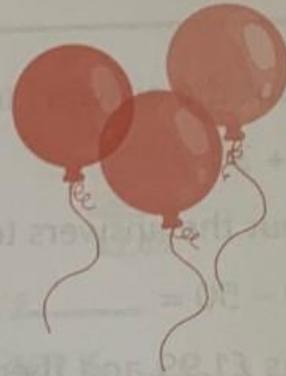


3 Find the missing numbers.

a) $57 + \square = 120$

b) $450 - 139 = \square$

c) $235 - \square = 190$



3 marks

PS **4** I celebrated my 21st birthday in 2003. In which year was I born?



1 mark

Marks..... /10

Challenge 3

1 What are the number bonds to 1000 for these numbers?

a) $325 + \square = 1000$ b) $811 + \square = 1000$ c) $493 + \square = 1000$



3 marks

2 a) $2465 + 59 = \square$

b) $5199 - 175 = \square$

c) $1999 + 78 = \square$



3 marks

3 Find the missing numbers.

a) $203 + \square = 1417$

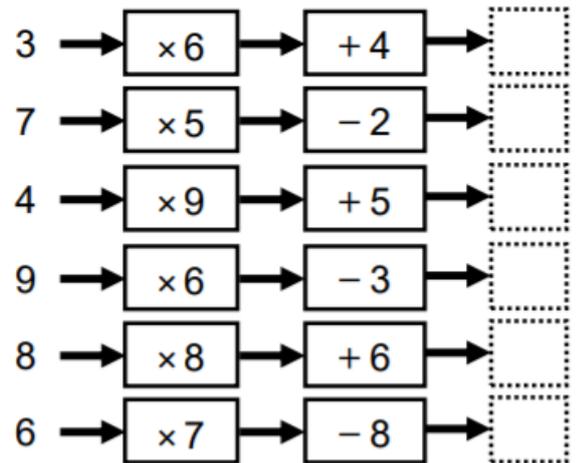
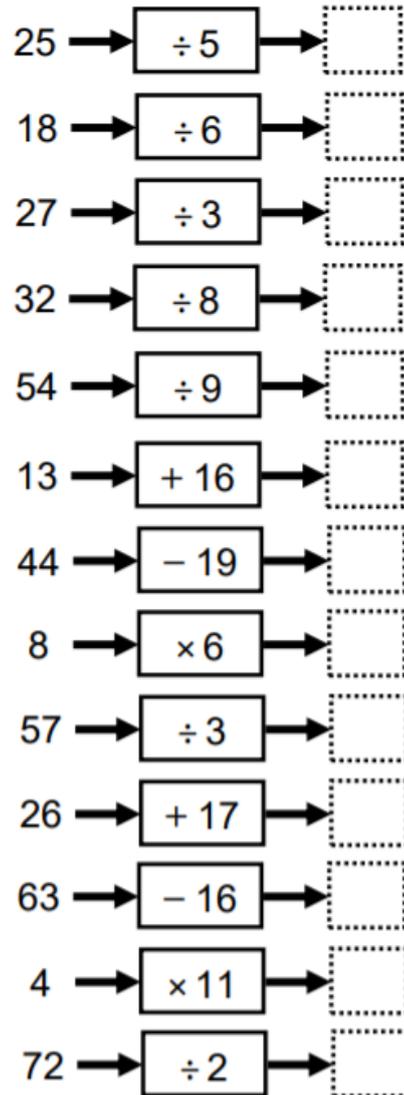
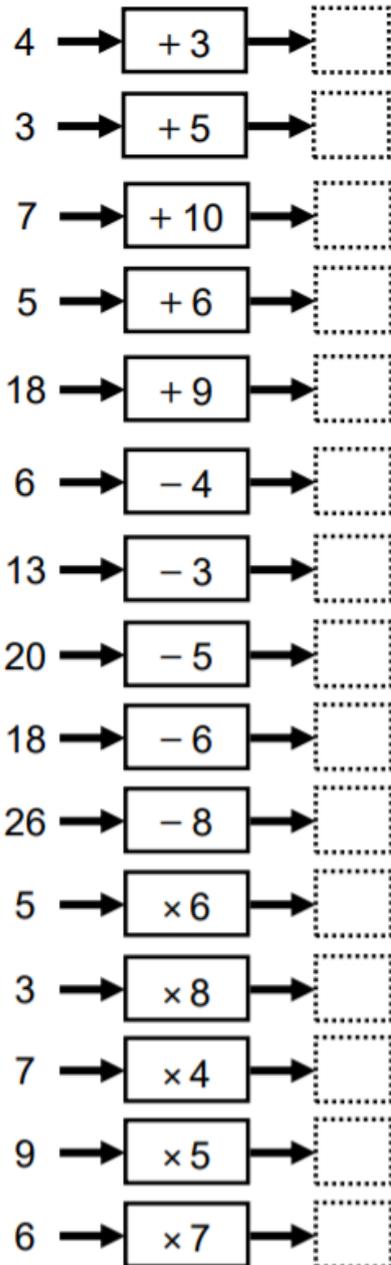
b) $2211 - 139 = \square$

c) $5239 - \square = 121$

Marks.....

Function Machines

Work out the function machine output. One number goes in, what number comes out? Once you have finished, try and create your own function machines.

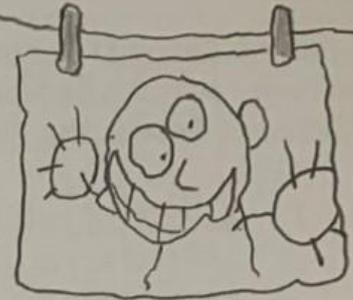


PROBLEM SOLVING TASK CARDS - Looking for a Pattern

Problem 91 Numbers 1 2 3

Level B

When Mrs Patel hangs one of the paintings on the string in the classroom she needs two clips to hold it securely. For two paintings she needs three clips, and for three paintings she needs four clips. How many clips will she need for 15 paintings? For 30 paintings?



Problem 92 Numbers 1 2 3

Level B

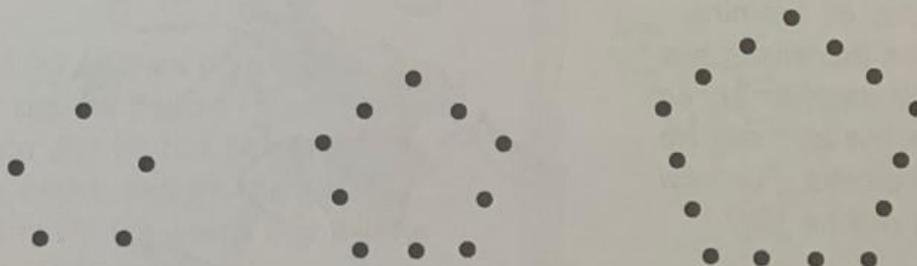
The dog started out with two fleas. By the next week the dog had six fleas, and by the third week there were fourteen. The following week the dog was really scratching, because there were 26 fleas. If the fleas continue multiplying at the same rate, how many fleas will there be in the ninth week?



Problem 93 Shape & Space

Level B

What are the next three pentagonal numbers?

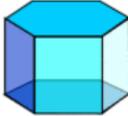


Name

Date



MENTAL MATHS QUIZ 6:1

1)	$20 + 0.6 + 0.02$	
2)	$360 \div 4$	
3)	How many edges? 	
4)	I have a litre bottle of cola. I drink 650ml. How much is left?	ml
5)	Which two numbers have a sum of 15 and a product of 36?	
6)	(1 gallon = 8 pints) How many pints make 6 gallons?	
7)	$4 \frac{1}{3} - 1 \frac{2}{3}$	
8)	Write down all the factors of 33. ____ ____ ____ ____	
9)	Which of these numbers is not a multiple of 3? 81 111 73 27 105	
10)	Flight time from Houston to Orlando is 2 hours to 20 minutes. I arrive at Orlando at 4:15pm. What time did I set off?	
11)	What is $\frac{3}{4}$ of 20m?	m
12)	What is the value of $3(x - 6)$ when $x = 11$?	
13)	At a wildlife centre, adult entry is £12 and child entry is £8. I pay for 2 adults and 3 children with a £50 note. How much change?	
14)	The time is a quarter to 7 in the evening. Write this in 24-hour time.	
15)	A kid's skipping rope is 210 cm long. How many ropes could I cut from a 10-metre-long piece of rope?	
16)	Number cards from 1 to 10 are placed in a bag. Flame chooses a card at random. What is the chance that it is a multiple of 4?	
17)	Write down all the prime numbers between 10 and 20.	
18)	How many thirds make 5?	

Carrie's War

Carrie and her brother Nick are evacuated from London to Wales during the Second World War. They arrive and nervously wait to be 'chosen' by a family.



Surely you can take two, Miss Evans?" "Two girls, perhaps. Not a boy and a girl, I'm afraid. I've only the one room, see, and my brother's particular."

Particular about what, Carrie wondered. But Miss Evans looked nice; a little like a red squirrel Carrie had once seen, peering round a tree in a park. Reddish brown hair and bright button eyes, and a shy, quivering look.

Carrie said, "Nick sleeps in my room at home because he has bad dreams sometimes. I always look after him and he's no trouble at all."

Miss Evans looked doubtful. "Well, I don't know what my brother will say. Perhaps I can chance it." She smiled at Carrie. "There's pretty eyes you have, girl! Like green glass!"

Carrie smiled back. People didn't often notice her when Nick was around. His eyes were dark blue, like their mother's. She said, "Oh, Nick's the pretty one, really."

Miss Evans walked fast. She was a little woman, not much taller than Carrie, but she seemed strong as a railway porter, carrying their cases as if they weighed nothing. Out of the hall, down the street. They stopped outside a grocery shop with the name Samuel Isaac Evans above the door and Miss Evans took a key from her bag. She said, "There's a back way and you'll use that, of course, but we'll go through the front for the once, as my brother's not here."

The shop was dim and smelled mustily pleasant. Candles and tarred kindling, and spices, Carrie thought wrinkling her nose. A door at the back led into a small room with a huge desk almost filling it. "My brother's office," Miss Evans said in a hushed voice and hurried them through into a narrow, dark hall with closed doors and a stair rising up. It was darker here than the shop and there was a strong smell of polish.

Polished linoleum, a shining, glass sea, with rugs scattered like islands. Not a speck of dust anywhere. Miss Evans looked down at their feet. "Better change into your slippers before we go up to your bedroom."

"We haven't got any," Carrie said. She meant to explain that there hadn't been room in their cases but before she could speak Miss Evans turned bright red and said quickly, "Oh, I'm so sorry, how silly of me, why should you? Never mind, as long as you're careful and tread on the drugget."

A strip of white cloth covered the middle of the stair carpet. They trod on this as they climbed; looking back from the top, Carrie saw the marks of their rubber-soled shoes and felt guilty, though it wasn't her fault. Nick whispered, "She thinks we're poor children, too poor to have slippers," and giggled.

Nina Bawden



TEXT

- 1 Why does Miss Evans not want a boy and a girl? Why do you think she changed her mind?
- 2 What sort of shop does Mr Evans own? Name three things that Carrie notices it sells.
- 3 Why do the children not have their slippers? Why does Miss Evans think they do not have slippers?
- 4 Say why you think there was white cloth on the stair carpet. How did Carrie feel when she had walked up the stairs? Give reasons.
- 5 Describe what you learn about Miss Evans from the passage, e.g. what she looks like, how she moves, how she behaves, what she says, what she thinks.
Say what impression this information gives you of the person.
- 6 Follow the same pattern and say what you learn about the character of Carrie.

SENTENCE

- 1 Use commas to separate the ideas in these sentences:
 - a) Having saved enough money we have decided to go on holiday now.
 - b) Enfield a suburb of London is where they have their shop.
 - c) Then standing to attention he took the salute.
 - d) The writer a man called Jones did not like the changes.
 - e) Jason the elder of the two brothers was blond.
 - f) Here in the ring two boxers each weighing sixteen stone snarled at each other.
 - g) The first pair who skated well were given full marks.
 - h) The streets already full were impossible to move through.
- 2 Write five more sentences of your own. Show how commas can be used to separate ideas. Use the sentences above to help you.

WORD

- 1 Put 'dis' before these verbs to make them negative. Check the spelling in a dictionary: appear, approve, appoint.
- 2 Write a sentence for each negative word in question 1 to show you understand what it means.
- 3 Put 'in' before these words to make them negative. Check the spelling in a dictionary: audible, accurate, human.
- 4 Write a sentence for each negative word in question 3 to show you understand what it means.
- 5 Write a rule to say if the spelling changes when you make a word negative by adding a prefix.

Challenge 1

GS

1

Insert the correct prefixes and suffixes to make the root word make sense in the sentence.

- The two child _____ were absent from school and miss _____ the school trip.
- It is danger _____ to ride a bike without wear _____ a helmet.
- The food was burnt, so it was _____ possible to eat it.
- Jake gave a great perform _____ in the dancing competition.
- Driving without pass _____ a test is _____ legal.
- A _____ honest person is _____ liked by those they lie to.



Marks.....

Challenge 2

1

Add a suffix to the root word to make a new word so that the sentence makes sense. You may need to change the spelling of the root word before adding the suffix.

- You have to be observe _____ if you want to see a tiny insect on a leaf.
- Washing your hands helps stop infect _____ diseases from spreading.
- His reason for being late was understand _____ as he had missed the bus.



Adding Prefixes or Suffixes to Root Words

- d) Good writing is very satisfy _____ to read and gets better marks.
- e) The chair was very comfort _____ to sit in while she was waiting.

5 marks

Marks..... /5

Challenge 3

GS 1 Draw a line to match the prefix to its meaning.

Word	Prefix	Prefix meaning
a) interchange	inter	many
b) autobiography	auto	hear
c) multipurpose	multi	outstanding
d) audition	audi	across
e) transport	trans	between, among
f) superman	super	self, own

6 marks



Marks.....

Writing Task!

We have written quite a few letters this year in school, but your task this week may be one of the most important letters you send.

I am sure you've heard about Captain Tom Moore in the news recently – he has very selflessly decided to raise money for the NHS by walking 100 lengths of his garden.

He finished his challenge last week, but is still raising a lot of money! As I write this, Captain Tom (who is 99 years old!) has raised £26,101,936.11! That's twenty six million, one hundred and one thousand, nine hundred and thirty six pounds and eleven pence! I'm sure you'll agree that is phenomenal!

You have two optional tasks this week because of this – Firstly, I would like you to write Captain Tom a letter, thanking him for everything he has done for our country. Secondly, on the 30th April 2020, Captain Tom will celebrate his 100th birthday! A campaign has started to make the Captain a birthday card and if you would like to do this, that would be amazing!

If you would like to take part in this, please send your letter/ card to:

Captain Tom Moore,
C/O Post Office Limited,
67 Bedford Road,
Marston Moretaine,
MK43 0LA,





Activity 1:
Find the words from your spelling list in this Wordsearch.

e	i	n	i	m	p	u	r	e	r	t	n	d	t	
n	b	l	m	n	e	n	i	e	h	t	r	t		
d	i	m	p	o	s	s	i	b	l	e	e	i	r	
i	n	c	r	e	d	i	b	l	e	s	m	n	t	
n	a	a	o	s	p	n	p	e	v	e	n	a	e	
v	c	i	p	n	c	a	t	e	o	i	e	u	b	
e	c	m	e	n	u	t	h	o	u	g	h	t	i	
r	u	p	r	v	r	t	m	p	e	r	a	t	n	
t	r	o	r	e	v	e	r	y	d	l	t	a	d	
e	a	l	l	v	i	n	c	a	p	a	b	l	e	
d	e	t	i	m	p	a	t	i	e	n	t	r	v	c
e	e	t	h	a	n	i	n	a	c	t	i	v	e	
t	n	e	n	m	d	v	n	r	t	c	o	i	n	
i	n	c	o	n	v	e	n	i	e	n	t	m	t	

- inactive
- indecent
- incapable
- inconvenient
- inattentive
- incredible
- inverted
- inaccurate
- impossible
- impolite
- impure
- impatient
- improper
- every
- even
- than
- these
- thought

English Curriculum Essential Words

existence convenience

1. The _____ of man dates back a long time in history.

2. The fresh food was actually less expensive than the _____ food.



Name _____

Date _____

Activity 2:
Write out all the eight letter words from your spelling list.



Activity 3:
Choose the correct prefix to complete the words.

in - im -

- __ credible __ accurate __ pure
- __ proper __ decent __ verted
- __ polite __ patient __ attentive
- __ possible __ active __ convenient





Name _____

Date _____

	1st Attempt	2nd Attempt	3rd Attempt	4th Attempt
inactive				
indecent				
incapable				
inconvenient				
inattentive				
incredible				
inverted				
inaccurate				
impossible				
impolite				
impure				
impatient				
improper				
every				
even				
than				
these				
thought				
existence				
convenience				



Activity 1:
Find the words from your spelling list in this Wordsearch.

- supersede
- stampede
- conclude
- include
- exclude
- preclude
- exclusion
- inclusion
- conclusion
- conscious
- conservative
- contract
- contrast
- continue
- continuous
- contribute
- snow
- know

C	W	U	B	D	N	W	S	O	C	E	C	S	C	V
C	C	N	N	E	X	C	L	U	S	I	O	N	E	E
C	O	N	T	R	A	S	T	M	E	K	N	O	W	N
O	N	C	L	C	O	N	T	R	A	C	T	W	T	O
C	C	O	N	T	I	N	U	O	U	S	R	T	S	
C	L	E	E	S	S	W	I	V	U	U	I	V	P	N
O	U	X	P	O	U	O	U	T	S	C	B	C	R	U
N	S	P	N	N	P	C	O	N	C	L	U	D	E	E
S	I	R	L	A	E	I	I	L	O	C	T	I	C	U
C	O	N	S	E	R	V	A	T	I	V	E	N	L	T
I	N	C	L	U	S	I	O	N	U	E	O	C	U	T
O	U	S	T	L	E	T	E	O	I	O	I	L	D	E
U	D	E	O	I	D	C	O	N	T	I	N	U	E	N
S	T	A	M	P	E	D	C	E	X	C	L	U	D	E
O	R	T	S	L	O	T	C	O	I	N	S	E	O	A

Name _____

Date _____

Activity 2:
Sort the words into the correct boxes. (Take care, some words might belong in more than one box!)

Words containing 'con'

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

Words containing 'sion'

1. _____
2. _____
3. _____

Words ending with 'ude'

1. _____
2. _____
3. _____
4. _____

Words containing 'ede'

1. _____
2. _____

Activity 3:
Fill in the missing vowels.

English Curriculum Essential Words
especially interrupt

You should not _____ other children when they are working.

She wrote an _____ interesting story which everyone enjoyed reading.

c_ns_rv_t_v_

s_p_rs_d_

pr_cl_d_

_ncl_s__n

c_nt_n__s

c_ntr_st



Name _____

Date _____

	1st Attempt	2nd Attempt	3rd Attempt	4th Attempt
supersede				
stampede				
conclude				
include				
exclude				
preclude				
exclusion				
inclusion				
conclusion				
conscious				
conservative				
contract				
contrast				
continue				
continuous				
contribute				
snow				
know				
especially				
interrupt				

Mini Science Investigation –

Lava Lamp

You Will Need

- Water
- Vegetable Oil*
- A Clear Plastic Bottle or Jar
- Food Colouring
- Effervescent Tablets



* Please dispose of oil safely and responsibly.

Method

- 1 Fill the bottle or jar a quarter full with water.
- 2 Top up, almost to the top with the vegetable oil
- 3 They should separate into two layers, water at the bottom and oil sitting on top.
- 4 Add about 6-8 drops of food colouring once the oil and water separate.
- 5 The colour will mix with the water at the bottom.
- 6 Pop in half an effervescent tablets and watch the bubbles form. Add more effervescent tablets bit by bit to keep the bubbles rising and falling.

The Science Bit

Firstly water and oil will not mix – this is because we say that water is a polar molecule – its structure means that it has a positive charge on one end and a negative charge on the other. Water molecules stick together because the positive end of one water molecule is attracted to the negative end of another. Oil molecule structure is different – it is non polar, meaning that its charge is more evenly spread out, so the oil is not attracted to water – in fact we call it hydrophobic (water fearing) so it tries to get as far away from water as possible and will not mix. The reason that oil rests on top of the water rather than underneath is because it has a different density to water.

As the effervescent tablets are added (this is made of citric acid and sodium bicarbonate) it reacts with the water and forms carbon dioxide gas and sodium citrate. It is the carbon dioxide bubbles that carry the coloured water to the top.