

### Thinking skills – Friday 5<sup>th</sup> March 2021

Let's start the day with a bit of Friday fun. You may want to work this out with a partner.

Solve the following riddle.

Three men are buried in the sand one behind the other all facing forwards with their heads above ground. Each man has a hat placed on his head selected from a bag containing 3 red hats, and 2 black hats. The men cannot turn around to see the men behind them. The man at the back is asked what hat he is wearing. He replies 'I do not know'. The middle man is asked what hat he is wearing. He also replies 'I do not know'. The man at the front is then asked what hat he is wearing. He replies 'I am wearing a red hat'.

How did he know?

Try drawing a diagram to help.



## Maths – Friday 5<sup>th</sup> March 2021

For your final (hopefully) home learning day we will recap some of your learning from earlier in the year on place value.

**A** Circle the tens value in each of the following numbers:

269    172    430    45    765    83    225    99    234  $\frac{1}{2}$     1234

**B** If 379 can be partitioned as  $300 + 70 + 9$ . Set the following numbers in the same way:

<b>258</b>	<b>349</b>	<b>402</b>
<b>723</b>	<b>174</b>	<b>509</b>
<b>279</b>	<b>358</b>	<b>612</b>
<b>897</b>	<b>953</b>	<b>1711</b>

**C** Continue the following sequences:

251....255....259....\_\_\_\_....\_\_\_\_  
434....439....444....\_\_\_\_  
825....819....816....\_\_\_\_....\_\_\_\_  
412....405....\_\_\_\_....391....\_\_\_\_  
264....\_\_\_\_....244....234....\_\_\_\_  
518....503....\_\_\_\_....473....\_\_\_\_  
620....605....\_\_\_\_....575....\_\_\_\_

**D** Which of these numbers is the greatest value?

Write them in order – smallest first:

a	262	98	258	82	501	239
b	238	283	832	823	328	382
c	562	625	652	265	256	526
d	45	111	23	865	766	567

e

764
67
354
564
299
2
79

**E** Write these numbers in words:

259	167	278	723	491	666	276
456	601	905	889	74	1234	

**F** Write a sequence of six 3-digit numbers in order – greatest first. In this sequence make the tens digit be of increasing value in each number.

G Write the value of the numbers represented by \* in the matrix below.

?	100s	10s	1s	Number
	***	**	*	
	*****	***	*****	
	**	***		
		**		
	**		***	
*	**	***	****	

What value can we replace the question mark with in the matrix?

H To which set do the following numbers belong?

213    147    76    7    245    189    102    171    67    199    201

1-50
51-100
101-150
151-200
201-250

I Harry has 3 cards – six, eight and five.

6	8	5
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Make up as many 3-digit numbers as you can using these three cards.

How many 3-digit numbers can you make if you could use each card twice?

How many can you make if you could use each card three times?

J There are six numbers below. Each has missing digits. Add a digit to each so that the number on top is always **smaller** than the number beneath it.

	7	2
3		
5		7
5	2	
	6	8
8		0



## English – Friday 5<sup>th</sup> March 2021

Today we will recap our understanding of nouns, adjectives, verbs and adverbs together with clauses and phrases. These are all things we have covered in class, but here is a reminder about clauses and phrases.

### **Clauses:**

Most sentences are made of clauses.

A **main clause** makes sense on its own. – eg **Hannah walked off.**

A **subordinate clause** gives extra information but it **doesn't make sense** on its own. – eg **because she was annoyed.**

By putting the two clauses together we have a sentence that makes sense and give us more information than the basic information in the main clause.

### **Phrases:**

A **phrase** is usually a group of words without a verb. – eg **very sad**

A **noun phrase** is a phrase that acts like a noun and adds extra information to the sentence. – eg **lots of biscuits**

The noun is simply 'biscuits'.

Now complete these tasks.

### **A Writing Activity**

The story below has missing words. Look at the word type in brackets under each missing word. If you forget what the word type is, look on the next page for some help. Write out the story and fill in the missing words with your own words?

**A Hike in the Mountains!**

Our \_\_\_\_\_ are packed for a hike in the \_\_\_\_\_  
(nouns) (Adjective)

Mountains! We are carrying a picnic lunch with  
\_\_\_\_\_ and \_\_\_\_\_ on our \_\_\_\_\_, and I  
(food) (food) (part of the body)

have a \_\_\_\_\_ for \_\_\_\_\_ photos. We will \_\_\_\_\_  
(noun) (verb-ing) (verb)

past meadows filled with \_\_\_\_\_ and \_\_\_\_\_  
(color) (color)

flowers, and pass a \_\_\_\_\_ waterfall that  
(adjective)

sounds like a \_\_\_\_\_. Many animals live in the  
(noun)

mountains, like the \_\_\_\_\_ (adjective) \_\_\_\_\_ (animal) and  
\_\_\_\_\_ (adjective) \_\_\_\_\_ (animal) . It's fun to \_\_\_\_\_ them  
(verb)

but important to be safe and keep a \_\_\_\_\_  
(adjective)

distance. The higher we \_\_\_\_\_, the smaller  
(verb)

the wildflower meadow and waterfall appear;  
we may even see \_\_\_\_\_ still on the ground  
(noun)

from last winter.

**B Verbal Activity**

Read the story out loud with your chosen words.

Does it make sense?

**C The group of words below are either clauses or phrases. Separate them into the two groups.**

up the mountain      let's go for a bike ride      sandwiches are nice      I like reading  
really tall men with red hair      a fun game

**D Highlight the noun phrases from the group of words below.**

Every Wednesday      the deep, blue sea      extremely slowly      smiling happily  
Terribly angry      a very muddy path      very distant      under the bed

**E Write out the following sentences and write next to each one whether the underlined part is a main clause, a subordinate clause, a phrase or a noun phrase.**

Jenny was very happy with her shiny new bike.

After the sun had set, Richard got lost in the dark.

I cut the whole loaf of bread in half and put it on a plate.

**F Complete and write out each sentence below with the type of clause or phrase shown in capitals at the beginning.**

**SUBORDINATE CLAUSE** I enjoyed playing football today.....

**NOUN PHRASE** He saw ....., but he didn't like it.

**PHRASE** Time passes ..... when you're having fun.

### Lesson 3 – Friday 5<sup>th</sup> March 2021

For your final home learning work (hopefully ever!) I would like you to get yourself a drink and somewhere comfy to sit. Take with you a pencil and paper.

You are going to make 4 lists.

#### **Task 1**

**a** First, spend some time thinking about what you have **enjoyed** about learning from home and write those things down.

**b** Next, think about what you have **missed** about not being in school over the last 8 weeks and write those down.

**c** You now have two lists for you to consider before you return to school next week. There will be people who have helped you with the things you have enjoyed during your home learning time. Today would be a good day to say thank you to those people, so, at some point today or this weekend say thank you to those people. (It may be parents, brothers and sisters, grand parents, child-minders, friends etc.....) If you are not going to see them but can phone them, then do so during the next couple of days.

**KEEP THESE LISTS SAFE AT HOME - DO NOT HAND IN TO SCHOOL.**

#### **Task 2**

**a** Now spend some time thinking about the areas of learning (Maths, English or another subject) that you have found challenging and would like to work more on when you return to school before the end of the year.

**b** Finally, write a list of those areas of learning that you feel comfortable about your understanding. I am sure you will have a lot on this list because I can see that you have worked hard during your home learning period.

**THIS LIST YOU CAN BRING WITH YOU BACK TO SCHOOL NEXT WEEK.**

**Finally, Have a great, relaxing weekend and I can't wait to see you on Monday.**

**ANSWER - Thinking skills – Friday 5<sup>th</sup> March 2021**

ANSWER

- 1) Since the man at the back could not determine his own hat, this means that the front two men could not have been wearing black hats.

Therefore, there must be at least one red hat on the two front men.

- 2) The middle man must not be able to see a black hat on the front man otherwise he would know he had a red one on. (because of point 1)
- 3) Therefore the front man must be wearing a red hat – because of points 1 and 2.



**ANSWERS Maths – Friday 5<sup>th</sup> March 2021**

A Circle the tens value in each of the following numbers:

269    172    430    45    765    83    225    99    234 ½    1234

B If 379 can be partitioned as  $300 + 70 + 9$ . Set the following numbers in the same way:

258	200+50+8	349	300+40+9	402	400+2
723	700+20+3	174	100+70+4	509	500+9
279	200+70+9	358	300+50+8	612	600+10+2
897	800+90+7	953	900+50+3	1711	1000+700+10+1

C Continue the following sequences:

251....255....259....263....267  
434....439....444....449  
825....819....816....810....807  
412....405....398....391....384  
264....254....244....234....224  
518....503....488....473....458  
620....605....590....575....560

D Which of these numbers is the greatest value?

Write them in order – smallest first:

a	262	98	258	82	501	239	82	98	239	258	262	501
b	238	283	832	823	328	382	238	283	328	382	823	832
c	562	625	652	265	256	526	256	265	526	562	625	652
d	45	111	23	865	766	567	23	45	111	567	766	865
e	764	2	67	79	299	354	564	764				
	67											
	354											
	564											
	299											
	2											
	79											

E Write these numbers in words:

259    Two hundred and fifty nine  
167    One hundred and sixty seven  
278    Two hundred and seventy eight  
723    Seven hundred and twenty three  
491    Four hundred and ninety one  
666    Six hundred and sixty six  
276    Two hundred and seventy six



- 476 Four hundred and seventy six
- 601 Six hundred and one
- 905 Nine hundred and five
- 889 Eight hundred and eighty nine
- 74 Seventy four
- 1234 One thousand two hundred and thirty four

F Write a sequence of six 3-digit numbers in order – greatest first. In this sequence make the tens digit be of increasing value in each number.

Answers may vary. Example shown below:

913 739 643 467 386 198

G Write the value of the numbers represented by \* in the matrix below.

1000s	100s	10s	1s	Number
	***	**	*	321
	*****	***	*****	536
	**	***		230
		**		20
	**		***	203
*	**	***	****	1234

What value can we replace the question mark with in the matrix? 1000s

H To which set do the following numbers belong?

213 147 76 7 245 189 102 171 67 199 201

1-50	7
51-100	67, 76
101-150	102, 147
151-200	171, 189, 199
201-250	201, 213, 245

I Harry has 3 cards – six, eight and five.

6	8	5
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Make up as many 3-digit numbers as you can using these three cards. 6

685, 658, 568, 586, 856, 865

How many 3-digit numbers can you make if you could use each card twice? 24

As above + 668, 665, 866, 566, 656, 686, 886, 885, 688, 588, 868, 858, 558, 556, 655, 855, 585, 565

How many can you make if you could use each card three times? 27

As above + 555, 666, 888

J There are six numbers below. Each has missing digits. Add a digit to each so that the number on top is always **smaller** than the number beneath it.

2	7	2
3	9	8
5	1	7
5	2	5
8	6	8
8	7	0



**ANSWERS English – Friday 5<sup>th</sup> March 2021**

A Writing Activity example answer.

Our **bags** are packed for a hike in the **glorious** mountains! We are carrying a picnic lunch with **sandwiches** and **crisps** on our **backs**, and I have a **camera** for **taking** photos. We will **walk** past meadows filled with **red** and **orange** flowers, and pass a **huge** waterfall that sounds like a **drum kit**. Many animals live in the mountains, like the **wild goat** and **magnificent eagle**. It's fun to **see** them but important to be safe and keep **an appropriate** distance. The higher we **climb**, the smaller the wildflower meadow and waterfall appear; we may even see **snow** still on the ground from last winter.

C The group of words below are either **clauses** or **phrases**. Separate them into the two groups.

up the mountain

let's go for a bike ride

sandwiches are nice

I like reading

really tall men with red hair

a fun game

D Highlight the noun phrases from the group of words below.

Every Wednesday

the deep, blue sea

extremely slowly

smiling happily

Terribly angry

a very muddy path

very distant

under the bed

E Write out the following sentences and write next to each one whether the underlined part is a main clause, a subordinate clause, a phrase or a noun phrase.

Jenny was very happy with her shiny new bike. Noun phrase

After the sun had set, Richard got lost in the dark. Subordinate clause phrase

I cut the whole loaf of bread in half and put it on a plate. Main clause phrase

F Complete and write out each sentence below with the type of clause or phrase shown in capitals at the beginning.

ANSWERS WILL VARY

SUBORDINATE CLAUSE I enjoyed playing football today **because we won the match**.

NOUN PHRASE He saw **the big pink teddy bear**, but he didn't like it.

PHRASE Time passes **very quickly** when you're having fun.