

Marlborough Primary Academy



Home Learning
Class 6D

Week beginning
1/2/2021



Daily jobs

- 1) TTRockstars - 30 minutes
- 2) Morning maths
- 3) Independent Reading - 30 minutes
- 4) Spelling - practice this week's 'tricky word' spellings

Maths

Maths: Find a rule - one step

Follow the [Video link](#) and watch the video - make sure you pause the video and try the calculations and problems when you are prompted to.

Then have a go at the [worksheet](#) and share what you have done with me

Remember to come to the maths zoom at 10am if you need any help or send me a dojo message

English/Topic

English: use figurative language to convey mood and atmosphere

Collect descriptive vocabulary about a scene. We will then collect as many ideas to describe to weather in Alma as we can. Then, we will use these ideas to create a description

Join the zoom at 11 o'clock to learn more.

Reading: vocabulary

Read the text - which an interview with Michael Mprpurgo who wrote Private Peaceful.

Write definitions for the 5 words which I have chosen and the choose 5 more of your own.

Tricky words	Practice 1	Practice 2	Practice 3	Practice 4	Practice 5
<i>actually</i>					
<i>believe</i>					
<i>business</i>					
<i>describe</i>					
<i>eighth</i>					
<i>favourite</i>					
<i>knowledge</i>					
<i>occasionally</i>					
<i>possess</i>					
<i>possession</i>					
<i>through</i>					
<i>weight</i>					

Morning maths – Monday 1/2/21

$$\frac{2}{3} \times \frac{1}{12} = \underline{\hspace{2cm}}$$

Can you simplify your answer?

top x top = top bottom x bottom = bottom

$$\frac{3}{5} \div \frac{2}{5} = \underline{\hspace{2cm}}$$

Hint: criss-cross –
top x bottom = top bottom x top = bottom
then turn improper fraction to a mixed number

$$\frac{3}{8} + \frac{3}{4} = \underline{\hspace{2cm}}$$

Hint: convert both fractions to the same denominator (8ths...)

$$\frac{7}{10} - \frac{1}{4} = \underline{\hspace{2cm}}$$

Hint: convert both fractions to the same denominator (20ths) then subtract.

From *The Mozart Question* by Michael Morpurgo

The question I am most often asked is always easy enough to answer.

Question: how did you get started as a writer? Answer: funnily enough, by asking someone almost exactly that very same question, which I was only able to ask in the first place by a dose of extraordinarily good fortune.

I had better explain.

My good fortune was, of course, someone else's rotten luck – it is often that way, I find. The phone call sounded distraught. It came on a Sunday evening. I had only been working on the paper for three weeks. I was a cub reporter, this my first paid job.

"Lesley?" It was my boss, chief arts correspondent Meryl Monkton, a lady not to be messed with. She did not waste time with niceties; she never did.

"Listen, Lesley, I have a problem. I was due to go to Venice tomorrow to interview Paulo Levi."

"Paulo Levi?" I said. "The violinist?"

"Is there any other Paulo Levi?" She did not trouble to hide her irritation.

"Now look, Lesley. I've had an accident, a skiing accident, and I'm stuck in hospital in Switzerland. You'll have to go to Venice instead of me."

"Oh, that's terrible," I said, smothering as best I could the excitement surging inside me. Three weeks into the job and I'd be interviewing the great Paulo Levi, and in Venice!

Talk about her accident, I told myself. Sound concerned. Sound very concerned.

"How did it happen?" I asked. "The skiing accident, I mean."

"Skiing," she snapped. "If there's one thing I can't abide, Lesley, it's people feeling sorry for me."

"Sorry," I said.

"I would postpone it if I could, Lesley," she went on, "but I just don't dare. It's taken more than a year to persuade him to do it. It'll be his first interview in years. And even then I had to agree not to ask him the Mozart question. So don't ask him the Mozart question, is that clear? If you do he'll like as not cancel the whole interview – he's done it before. We're really lucky to get him, Lesley. I only wish I could be there to do it myself. But you'll have to do."

"The Mozart question?" I asked, rather tentatively.

The silence at the end of the phone was long.

Reading: vocabulary skills

Find definitions for the 5 words below all from the text. Make sure you explain each words meaning in your own words and remember to tell me each words word class - noun, verb, adjective, adverb etc.

After you have done these 5 choose 5 more from the text.

exactly -	
extraordinarily -	
distraught -	
interview -	
irritation -	



adverbs

verbs

adjectives

Snow



Find a rule – one step

- 1 Whitney makes a pattern of triangles using sticks.

Complete the table below.



Number of triangles	1	2	3	4	5	10	
Number of sticks							90

- 2 Complete the tables.



To find the number of wheels, you multiply the number of bicycles by 2

a)

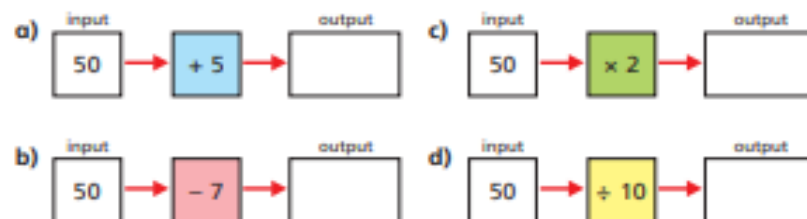
Number of bicycles	1	2	5			16
Number of wheels	2			18	24	

b)

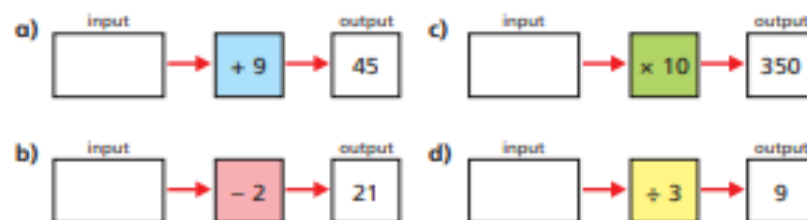
Number of ants	1	2	5			16
Number of legs		12		18	24	

Explain how to find the number of legs.

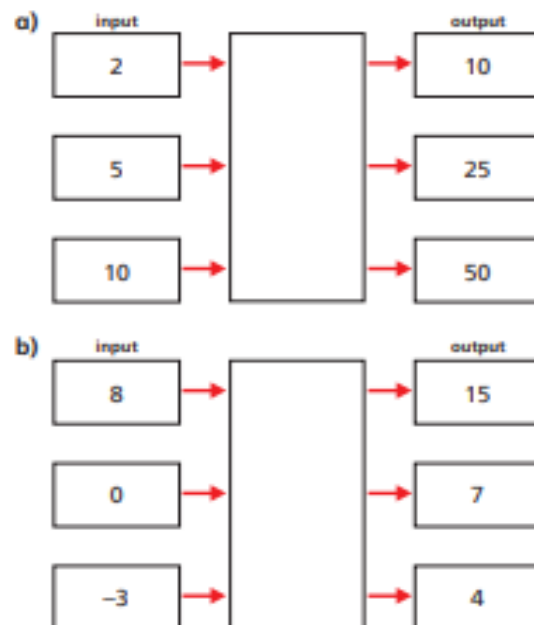
- 3 Calculate the outputs for the function machines below.



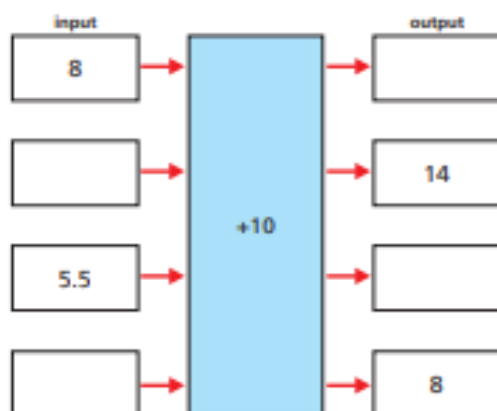
- 4 Calculate the inputs for the function machines.



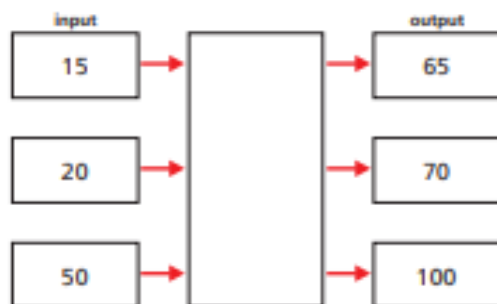
- 5 Write the missing functions in the function machines.



- 6 Calculate the missing inputs and outputs for the function machine.



- 7 Look at the function machine.



a) What is the output, if the input is zero?

b) What is the input, if the output is zero?

- 8 Here is a function machine.



Dora

The rule is add 9



Dexter

The rule is multiply by 2.5

Who do you agree with? _____

Explain your answer.

- 9 In a function machine, if the input is 3 and the output is 12, what could the function be?

Write two different functions and complete the table of outputs for each function.



Input	3	4	5	10	20	100
Output	12					



Input	3	4	5	10	20	100
Output	12					



Daily jobs

- 1) TTRockstars - 30 minutes
- 2) Morning maths
- 3) Independent Reading - 30 minutes
- 4) Spelling - pyramid and rainbow word
your spellings

Maths

WALT: Find a rule - two step

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English/Topic

English: use a range of sentence openers -
DADWAVERS

What do you think about the example story starter?
What is wrong with it? How would you improve it?

We will then analyse a WAGOLL - which DADWAVERS have been used? Then we will continue the story using a wide-range of sentence openers.

Join our class zoom at 11 o'clock.

Reading: visualization

What do you know about Meryl Monkton and Paulo Levi from the interview?

Collect your ideas and evidence in the mind map.

Morning maths – Tuesday 2/2/21

Turn your remainder to a decimal

$$8 \overline{) 4582}$$

Hint: add place holders to answer as a decimal

Turn your remainder to a fraction

$$4 \overline{) 8521}$$

$$21 \overline{) 7728}$$

- 1) 21
- 2) 42
- 3)
- 4)
- 5)
- 6)
- 7)
- 8)
- 9)

Try to use long division – finish the times table

$$14 \overline{) 9576}$$

- 1) 19
- 2) 38
- 3) 57
- 4)
- 5)
- 6) ...
- 7) ...
- 8) ...
- 9) ...

Finish the times table – add 20 and then subtract 1 each time

Carefully read the text from yesterday - what information do you know about Paulo Levi and Meryl Monkton? Add what you know to the mind map.

Paulo Levi

Meryl Monkton

I was pushed onto the moving table by another doll. It made a wheeling sound then rose up so that I could see out of the window. I could see a little girl across the road who looked like me, but the snow was fogging up the window a bit so I couldn't see very well. She saw me and walked over to look. I wanted to tell her to run the other way.

Alma tried to open the door but it had been locked from inside. She threw a snowball, angrily, then walked away. She had been saved. But then the door creaked open and she came back, so the doll hid at the back of the shop hoping she wouldn't see her and that she might leave again. But it was too late. She was already inside and the doll knew she would never leave...

Using DADWAVERS to vary sentence openers.

- D**escription
- A**ction
- D**ialogue
- W**here things are
- A**dverb
- V**erb
- E**stimation of time
- R**hetorical Questions
- S**imile or Metaphors

DADWAVERS- Do you know what they
stand for/what they mean?

Using DADWAVERS to improve sentence openers

In front of me, in the near darkness, was a small wooden plinth which seemed to rise up and down, and before I knew it, I was shoved forwards, onto it. It made a loud wheeling sound then rose up so that I could see out into the street through a large window. No...not another one, I screamed in my head. Across the road, staring at the graffiti wall, I could see a little girl who looked exactly like me, and I knew only too well that her fate was now sealed. Warily, she spun on her heels to turn and face the shop: she saw me and her mouth dropped open. Attempting to communicate the danger she was in, I stared at her through empty glass eyes. Momentarily, we looked at each other, though she could not hear me urging her to step no closer. Did she not see the danger she was in?

Alma tried to open the door to the shop but it was stuck fast- like something was holding it from the inside. She threw a snowball in frustration, then walked away. However, the creak of the door alerted her to the fact that, somehow, the shop was no longer closed and she turned back quickly to peer into where the door stood ajar. *Oh my!* she thought. On every wall, and on every surface, were hundreds of dolls of all shapes and sizes. Eagerly, Alma made her way to the table upon which her doll sat but was immediately distracted by a sound at her feet. Pedaling a miniature toy tricycle, rather furiously, she found a small pale-faced doll, in a black suit, which had fallen on its side. Within seconds, she had picked him up and propped him back upon three wheels and turned back to face her doll...but there was no doll. Where had she gone?

Find a rule – two step

- 1 Use the function machine to complete the table.



Input	1	2	3	5	10	50
Output						

- 2 Here is the same function machine with the steps in the reverse order.



Teddy

The outputs will be the same.



Jack

The outputs will be different.

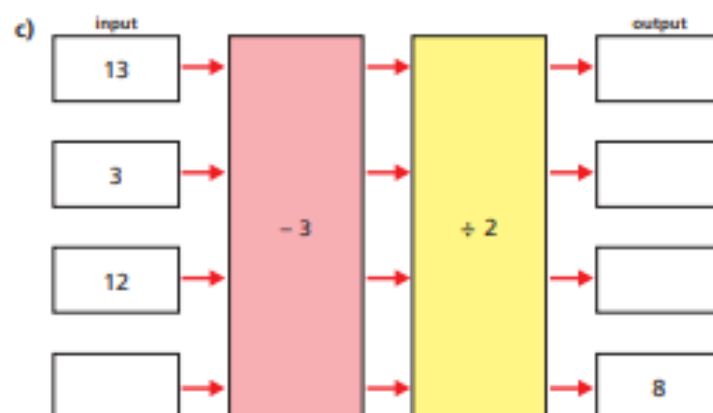
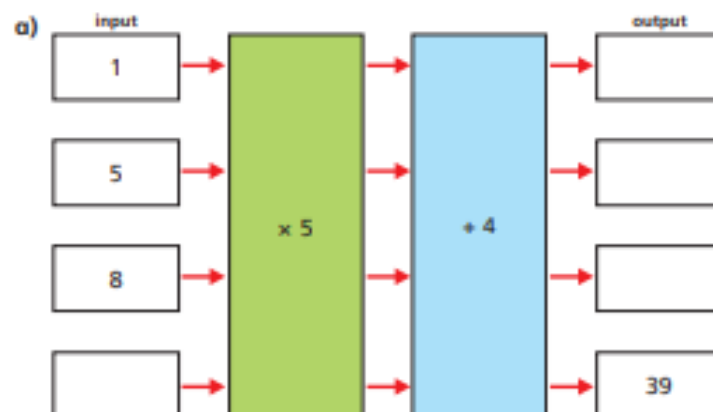
Explain to a partner who you think is correct.

Use the function machine to complete the table.

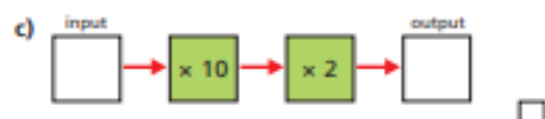
Input	1	2	3	5	10	50
Output						

Who is correct? _____

- 3 Work out the missing outputs and inputs.



- 4 Tick the pairs of function machines that will give the same outputs for a given input.



Explain your reasoning to a partner.

- 5 Here are some 2-step function machines.

For each machine, write a single step that would give the same output.

Check your answers by inputting values.



Can all 2-step function machines be written as a 1-step function machine?

Talk about it with a partner.

- 6 Here is a function machine.



- a) Complete the table.

Input	10	3		
Output			40	280

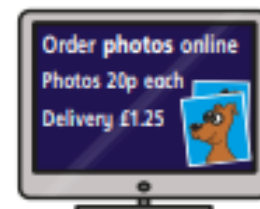
- b) Rosie puts a number into the machine and she gets out the same number.

Work out Rosie's number.

- 7 Mr Hall and Mrs Rose order some photos online.

- a) Mr Hall orders 16 photos.

How much does he pay?



- b) Mrs Rose pays £6.05

How many photos did she order?



Daily jobs

- 1) TTRockstars - 30 minutes
- 2) Morning maths
- 3) Independent Reading - 30 minutes
- 4) Spelling - play last letter wins with someone at home

Maths

WALT: forming expressions

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English/Topic

English: planning a narrative

Today we will begin to bring together all of the work we have done over the last 2 weeks before planning our own narrative based on the Alma animation.

Join our class zoom at 11 o'clock.

Reading: summarising

Can you come up with a 5 word headline for each section of 'Mozart Question'.

Remember to read the text and highlight the VIP information - names, dates, important facts etc.

Remember to include the most important things in your headline not just the 1st things you notice.

Morning maths – Wednesday 3/2/21

$$30 + 23.85$$

$$\begin{array}{r} 325.5 \times 6 \\ 3 \ 2 \ 5. \ 5 \\ \times \ 6 \\ \hline \end{array}$$

.

↑

Work under this column 1st

$$\begin{array}{r} 325.5 \times 6 \\ 3 \ 2 \ 5. \ 5 \\ \times \ 6 \\ \hline \end{array}$$

.

↑

Work under this column 1st

$$\begin{array}{r} 325.5 \times 6 \\ 3 \ 2 \ 5. \ 5 \\ \times \ 6 \\ \hline \end{array}$$

.

↑

Work under this column 1st

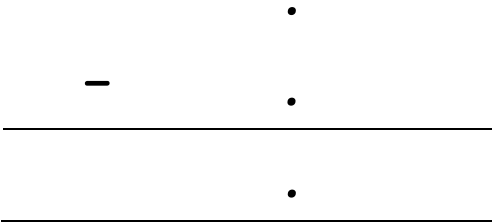
$$\begin{array}{r} 325.5 \times 6 \\ 3 \ 2 \ 5. \ 5 \\ \times \ 6 \\ \hline \end{array}$$

.

↑

Work under this column 1st

$$84 - 7.5$$



A handwritten subtraction problem showing 84 minus 7.5. The numbers are aligned vertically. A horizontal line is drawn under the 7.5, and another horizontal line is drawn under the 84.

$$84 - 7.5$$

.
- .

.

$$84 - 7.5$$

.
- .

.

$$325 \div 4$$

$$4 \overline{) 325.}$$

The decimal point is already in the answer
- keep adding place holders

$$325 \div 4$$

$$4 \overline{) 325.}$$

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- keep adding place holders

$$325 \div 4$$

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"Paulo Levi?" I said. "The violinist?"

"Is there any other Paulo Levi?" She did not trouble to hide her irritation. "Now look, Lesley. I've had an accident, a skiing accident, and I'm stuck in hospital in Switzerland. You'll have to go to Venice instead of me."

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"The Mozart question?" I asked, rather tentatively.

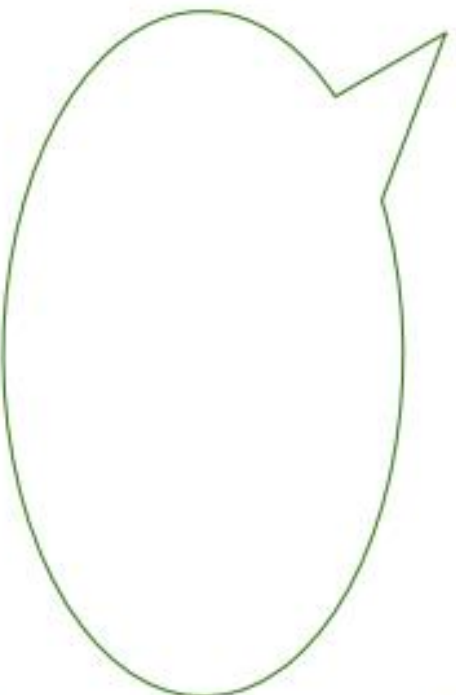
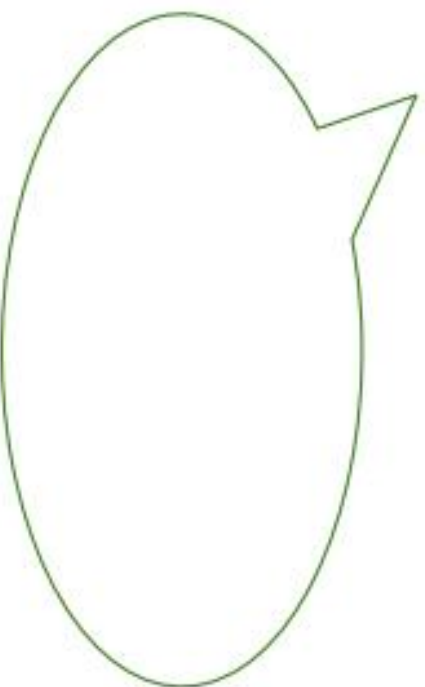
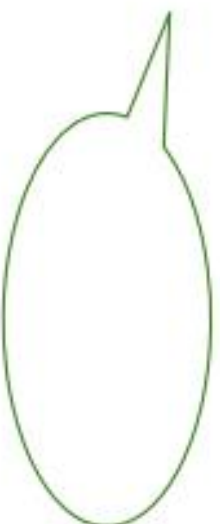
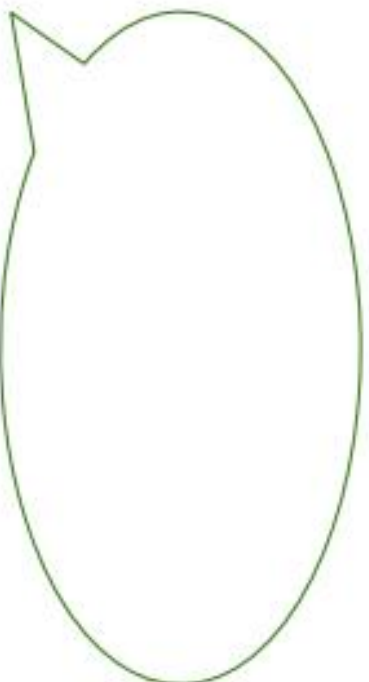
The silence at the end of the phone was long.

Reading - summarising

I've split the story into 4 sections - write me a 5-word headline for each section.

Look back in your booklet to Monday's text to read it

What might Alma's doll say to her?



ALMA Resource 8a

You are to write a narrative in the 3rd person describing Alma's discovery of the shop, what she sees in the window, entering the shop and up to the point where she touches the doll. Include at least one (but no more than two) short, 1st person commentaries as the doll.

Imagery and Figurative Language

Sentence Opener Ideas

Building Suspense and Tension

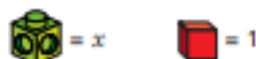
Thoughts, Feelings and Micro-expressions

Descriptive words and phrases- Shop

Descriptive words and phrases- Doll

Forming expressions

- 1 Tommy uses multilink cubes to represent an unknown number and base ten ones to represent 1



Write algebraic expressions to describe the sets of cubes.

The first one has been done for you.

a) $2x + 3$

b) _____

c) _____

d) _____

e) _____

f) _____

g) _____

h) _____



- 2 Use Tommy's method to represent these expressions.

a) $x + 2$ c) $3x + 1$

b) $2x$ d) $x + 6$

Compare answers with a partner.

- 3 Use cubes to help you simplify the following expressions.

The first one has been done for you.

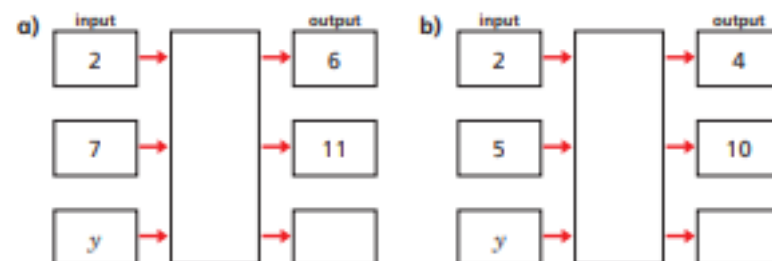
a) $2y + 5 + y$ $3y + 5$

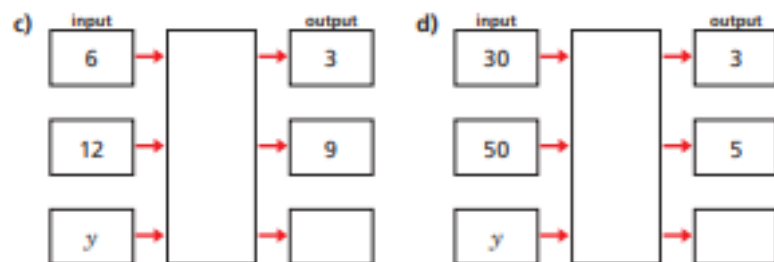
b) $3a + 2 + a + a$ _____

c) $6p + 2 - 2p$ _____

d) $m + 4 + 3m - 3$ _____

- 4 Complete the function machines.

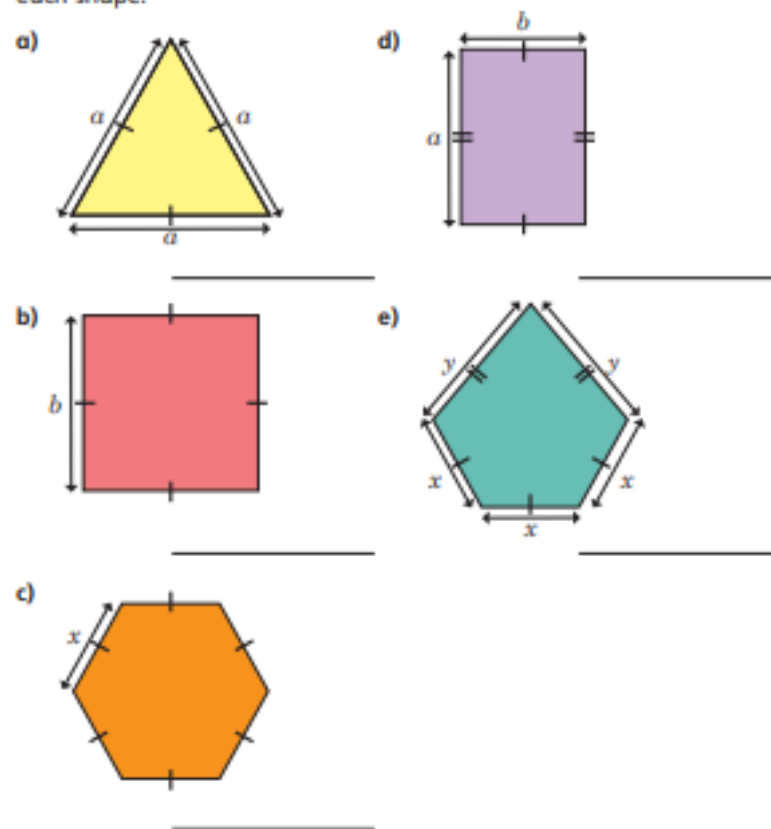




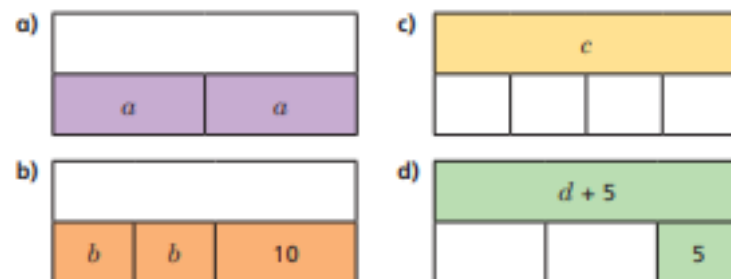
- 5 Match each statement to the equivalent algebraic expression.
Write the missing statements.

5 more than y	$2y$
y less than 5	$y - 5$
y multiplied by 5	$5 - y$
y divided by 5	$y + 5$
double y	$5y$
	y^2
	$\frac{y}{5}$

- 6 Write an algebraic expression to represent the perimeter of each shape.



- 7 Complete the bar models.





Daily jobs

- 1) TTRockstars - 30 minutes
- 2) Morning maths
- 3) Independent Reading - 30 minutes
- 4) Spelling - write me a silly spelling story - how many spellings can you include?

Maths

WALT: substitution

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English/Topic

English: write a 3rd person dual narrative featuring a 1st person account of events

We will share our success ladder of features which need to be in our story.

Then we will produce our narrative using Purple Mash.

Join our class zoom at 11 o'clock.

Reading : comprehension

Use your colouring pencils to highlight the evidence you need to answer each question.

Are there any key question words which tell you what to look for?

For example - Who? Look for a name - capital letters will help you scan and skim for your answer.

Morning maths – Thursday 4/2/21

$$426 \times 63$$

 \times

0

$$4216 \times 82$$

4 2 1 6

 \times 8 2

0

$$235.1 \times 7$$

2 3 5 . 1

 \times 7

.



Work under this column 1st

$$12,458 \times 4$$

1 2 4 5 8

 \times 4

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"The Mozart question?" I asked, rather tentatively.

The silence at the end of the phone was long.

Name:

Class:

Date:

Read the text, then answer the questions.

1 What sort of writer is Lesley?

2 Find and **copy one** word from the first five paragraphs that tells us Meryl Monkton was very upset when she made the phone call.

3 Describe Meryl's character. Use evidence from the text to support your description.

4 How do you know Paulo Levi is famous? Tick **all** that apply.

Lesley knows straightaway that he is a violinist.

☐

The name Paulo Levi is famous.

☐

Meryl says "*Is there any other Paulo Levi?*"

☐

Lesley refers to "*the great Paulo Levi*".

☐

5 Do you think this story is set in the past, present or future? Explain how you know.

6 Why does Meryl order Lesley not to ask about the Mozart question?

7 Why do you think "*The silence at the end of the phone was long*"?

8 What do you think will happen in Lesley's interview with Paulo Levi?

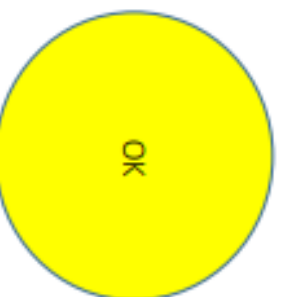
Today's writing task is to create your own written version of Alma - how many of these features and skills from the last two weeks can you include. Focus on the sections of the story from where Alma enters the shop until the end. You must also try to include the dolls eye view of the action.

Narrative feature	Is it there?
descriptive vocabulary and synonyms	
imagery - use of senses	
building tension and suspense - short snappy sentences	
thoughts, feelings and micro-expressions	
sentence variation and openers DADWAVERS	
speech	
personification and pathetic fallacy	

Self-evaluation

How did I do?

I found the independent writing task... (tick one)



During the unit I learnt ...

I enjoyed...

Something I found challenging was...

Next time I would like to...

Substitution

1

 = 4  = 5

Use the given facts to work out the calculations.

a)  +  + 

b)  +  - 

c)  +  +  +  + 

2

 = 12  = 5

Use the given facts to work out the calculations.

a)  - 

b)  × 

c) Create your own calculation that will be equal to 22

3

If $x = 5$, write the values of the expressions in the corresponding grid. The first one has been done for you.

$3x$	x^2	$2x - 5$
$4x + 2$	$\frac{x}{2}$	$2(x + 1)$
$7x$	$x + 9$	$x - 7$

15		

4

If $a = 10$ and $b = 6$, work out the values of the expressions.

a) $a + b =$

d) $2a + b =$

b) $a - b =$

e) $3a - 17 =$

c) $2a =$

f) $2(a - b) =$

5

If $m = \frac{4}{5}$ and $k = 0.1$, work out the value of $m + 2k$



6



Mo

It does not matter what p and q are, $p + q$ and $q + p$ will always give the same answer.

Do you agree with Mo? _____

Explain your answer.

7

$$m = 7 \quad n = 5$$

Write $>$, $<$ or $=$ to compare the expressions.

a) $2m$ 10

b) $n - 1$ 5

c) $2n + m$ $2m + n$

d) $7n$ $5m$

8

$$a = 10$$

Write the expressions in order, starting with the smallest value.

$$5a$$

$$a + 5$$

$$\frac{a}{5}$$

$$a^2$$

9

$$a = 15$$

Write three different algebraic expressions that give a value of 40

10

Complete the table.

x	$5x$	$5x - 1$
2		
10		
12		
	25	
		34
		99





Marlborough Primary Academy

Class
6D

Home Learning

Friday
5/2/21

Daily jobs

- 1) TTRockstars - 30 minutes
- 2) Morning maths - arithmetic paper
- 3) Independent Reading - 30 minutes
- 4) Spelling - spelling test during morning registration zoom

Maths

Fractions, formulae

Follow the [Video link](#) and watch the video - make sure you pause the video and try the calculations and problems when you are prompted to.

Then have a go at the [worksheet](#) and share what you have done with me.

Remember to come to the maths zoom at 10am if you need any help or send me a dojo message

English/Topic

English: editing and improving our writing.

We will try to improve Mr. Dore's version in the class zoom. Then we will edit our own story from yesterday - before submitting them on Purple Mash

Join our class zoom at 11 o'clock.

Reading: read for pleasure

Make sure you spend at least 20 minutes reading your reading book this afternoon.

Your morning maths challenge today is a mini arithmetic paper - focus on the questions you can answer.

If you get stuck share any problems with me in the Maths zoom at 10am.

1

$$470 + 100 =$$



1 mark

2

$$902 + 400 =$$



1 mark

3

$$\frac{7}{8} - \frac{3}{8} =$$



1 mark

4

$8494 - 638 =$



1 mark

5

$81 \div 9 =$



1 mark

6

$2.23 + 4.7 =$



1 mark

7

$46\,900 - 1500 =$



1 mark

8

$4\frac{1}{8} \times 5 =$



1 mark

9

$11^2 - 21 =$



1 mark

10	$3 \times 9000 =$
----	-------------------

1 mark

11 $4731 \div 6 =$

1 mark

12 $7 + 6 \div 3 =$

1 mark

13	$82 \times 34 =$
----	------------------

	8	2
x	3	4

[illegible]

●

2 ma

14	$3912 \div 16 =$
----	------------------

1	6	3	9	1	2
---	---	---	---	---	---

--	--

●

2 mai

15 $\frac{2}{3} + 3\frac{1}{2} =$



1 mark

16 $\frac{5}{6} \div 4 =$



1 mark

17 $25.7 \times 100 =$



1 mark

18 50% of 2684 =



1 mark

Formulae

- 1 Scott builds a pattern using triangles and circles.



- a) Draw the next diagram in the pattern.

- b) Scott records the number of triangles and circles in a table.

Complete the table.

Number of triangles	1	2	3	4	5
Number of circles	3				

- c) c = number of circles and t = number of triangles

Circle the formula that describes the pattern.

$c = t + 3$

$c = 3t$

$t = 3c$

$t = 3 + c$

- d) How many circles will there be with 10 triangles?

Show your working.

- 2 a) Complete the table.

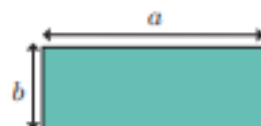
Number of weeks	1	2	3	5	10
Number of days	7				

- b) Complete the formula to show the relationship between days (d) and weeks (w).

$$d = \boxed{} w$$

- c) How many days are there in 32 weeks?

- 3 a) Write a formula for the area and perimeter of the rectangle.



area = _____

perimeter = _____

- b) Work out the area and perimeter of the rectangle if $a = 17$ cm and $b = 8$ cm

Show your workings.

$$\text{area} = \boxed{} \quad \text{perimeter} = \boxed{}$$

- 4 a) Write a formula for the area and perimeter of the square.



area = _____

perimeter = _____

- b) Work out the area and perimeter of the square if $d = 8.5$ cm

Show your workings.

$$\text{area} = \boxed{} \quad \text{perimeter} = \boxed{}$$

- 5 Dora makes a square pattern using lolly sticks.



She records the number of squares and sticks in a table.

- a) Continue the pattern and complete the table.

Number of squares, s	1	2	3	4	5
Number of lolly sticks, l	4	7			

- b)



Eva

You need 35 lolly sticks to make 10 squares. I multiplied the number needed for 2 squares by 5

Show that Eva is wrong.

How many sticks are needed to make 10 squares?

- c) Circle the formula that describes the pattern.

$$l = 3s + 1$$

$$l = 4s + 1$$

$$l = 3(s + 1)$$

- 6 Here are a dog walker's prices.

Walkies

Dog Walker

£12 per hour
plus £5 travel

- a) How much does the dog walker charge for a 2-hour job?

- b) Write a formula to show the cost (c) for (h) hours.

- 7 The Wooden Letter Company sells wooden letters for £2 each, plus £1.50 for delivery of each order.



- a) Whitney places an order for the letters to spell out her name.

How much does it cost?

£

- b) Write a formula to show the cost (c) for the number of letters (n).

SURPRISES Editing method

Say in head

Rehearse in head to listen to what immediately stands out, which sentences are you happy with? Unhappy with? Mark anything you think needs to change.

Under breath - mumble

In a muttered voice, begin to FEEL how the piece fits together- are your sentences varied enough? Are your sentence lengths varied enough? Did you include short snappy sentences?

Read aloud

Are there unplanned repetitions? Are your tenses accurate? Does it need anything adding in?

Punctuation power

Look at your use of punctuation, is it accurate? Is it varied enough? Can you show that you can use punctuation to help clarify meaning?

Read the openers

Is there enough variety in your openers? Look at your linking sentences between paragraphs, are they strong enough? Is there flow?

Improve worrisome words

Improve vocabulary by checking the quality of your word choices, particularly verbs, adjectives and adverbs. Can you expand your noun phrases?

Say in head or aloud

Read it through to listen to how it is now sounding? Have you done enough? Has it improved? What more needs to be done? Could you re-order some sentences to improve the overall effect?

Emotive and figurative check

Look at your sentence choices, are there similes, metaphors? What about personification and pathetic fallacy? Have you used powerful verbs and adjectives?

Share with a friend

Together can you improve your work in any other ways? Does it feel finished?