



## Important Information



*"Oak National Academy is a new collection of high-quality lessons and online resources. Backed by the Government, it has been created in response to the coronavirus lockdown.*

*Their online classroom offers free access to great teachers, delivering video lessons, quizzes and worksheets. Available for both primary and secondary levels, it covers a range of subjects. All of the lessons are ordered so your child can learn along a clear plan. They'll provide new lessons and resources each week.*

*Oak National Academy will fit alongside other resources such as BBC Bitesize to offer a structure for the day for children until schools fully reopen.*

*Oak National Academy was built at speed; at present their resources are for pupils who usually access their schools' curriculum in mainstream education, from reception through to year 10, without significant support or adaptation. They're currently working on providing support for teachers working with pupils with additional needs, and teachers based in specialist settings. Next week they hope to launch materials for pupils not able to access all aspects of their current offer." Information taken from the Oak National Academy website (<https://www.thenational.academy/information-for-parents-pupils/> )*

The Oak National Academy lessons can be accessed here: <https://www.thenational.academy/online-classroom>

**As you are aware, at Victoria Dock Primary School we provide a home learning pack every week which is created by our class teachers. Although we have these plans already in place, we understand that some families may prefer to work from the materials made available through the Oak National Academy. This is absolutely fine, and we are thrilled to see so many children learning at home and taking the opportunity to also do all kinds of things at home which are not usually taught in the classroom.**

**Feel free to continue to use our home learning grids (like the one below) or the lessons provided by the Oak National Academy. Either way, we would love you to keep in touch and show us the wonderful things you are doing at home, using Seesaw, Clasdojo or Twitter.**

**Stay safe and we look forward to returning to school to see everyone's smiling faces.**



**Home Learning Grid  
Year 6**

Week Commencing – 08.06.20

**Work to be completed in home learning books**

	Monday	Tuesday	Wednesday	Thursday	Friday
<b>Spelling/ Fast Maths</b>	<b>Fast Maths</b> <a href="https://forms.gle/TeS7PiMKz6raCD599">https://forms.gle/TeS7PiMKz6raCD599</a>	<b>Fast Maths</b> <a href="https://forms.gle/WMwq6xRZ7Q4aFL9U8">https://forms.gle/WMwq6xRZ7Q4aFL9U8</a>	<b>Fast Maths</b> <a href="https://forms.gle/sjSsGXGwEqNh3Gj48">https://forms.gle/sjSsGXGwEqNh3Gj48</a>	<b>Fast Maths</b> <a href="https://forms.gle/aPZsdmTHT9H2dHUS9">https://forms.gle/aPZsdmTHT9H2dHUS9</a>	<b>Times Tables Rock Stars</b> Can you set a new high score on Timetable Rockstars <a href="#">here</a> ?
<b>Reading</b>	<b>First News</b> See the First News article below and have a go at the questions.	<b>Crater Lake</b> Read chapter 19 and have a go at these inference questions below.	<b>Mystery Genre</b> Take a look at this extract of another book in the mystery genre.	<b>Your Choice</b> See below for a task all about what <b>you</b> like to read.	<b>First News</b> See the First News article below and have a go at the puzzle.
<b>Writing</b>	<p align="center"><b>IMPORTANT - Music Video</b></p> <p align="center">We are going to try to put together a socially-distanced music video from your homes. Take a look at the instructions below and please try to get all your classmates to become involved too.</p>				<p align="center"><b>100 Word Challenge</b></p> <p align="center">See below for the 100 Word Challenge for this week.</p>
<b>Maths</b>	<b>Algebra</b> Complete the 'Fractions to percentages' task below. Click <a href="#">here</a> for video tutorials.	<b>Algebra</b> Complete the 'Equivalent FDP' task below. Click <a href="#">here</a> for video tutorials.	<b>Algebra</b> Complete the 'Order FDP' task below. Click <a href="#">here</a> for video tutorials.	<b>Algebra</b> Complete the 'Percentage of an amount' task below. Click <a href="#">here</a> for video tutorials.	<b>Friday Challenge</b> Go <a href="#">here</a> and look for the Friday challenge to really test your understanding of this week's maths.
<b>Challenge</b>	<p><b>Flat Teacher Challenge</b></p> <p>Why not have a go at taking a photo of you doing each of these things on the grid, with mini Mrs. Juggins &amp; mini Mr. Hague with you?</p>				

## Reading (Monday)

Look Closer

FirstNews • Issue 728 • 29 May – 4 June 2020

# “TO PLAY SOMEONE I IDOLISED IS AMAZING!”

ALEX Rider makes his TV debut this week with a brand-new series on Amazon Prime Video. We chatted to Otto Farrant, who plays Alex, the teenage spy and star of the Alex Rider books written by Anthony Horowitz.

### Hi Otto! What can you tell us about your new show, *Alex Rider*?

*Alex Rider* is about a teenage boy whose uncle dies unexpectedly, and suddenly he is thrown into a world of espionage. He has to save the world while grieving for his uncle. But it's also a story about friendship and conquering your demons and forgiveness too. And it's epic and action-packed! Hopefully everyone will love it.

### What's so exciting about getting to play Alex?

I read the books from when I was nine years old and I loved them. And if I felt that, I know that millions of people around the world also felt that. So, I know how much love for the books and the character there is out there. And the only thing that I can do is do my best to live up to the expectations. The books have sold over 19 million copies in 33 languages – it's insane. So, to play someone that I idolised as a kid is amazing.



### What have you enjoyed the most about playing this role?

The thing that struck me when I read the books is how well Anthony writes tension and action. In all the books, the most enjoyable bits for me are when Alex has really got to dig deep and save the world because things are really against him. He's amazing at getting out of those situations. So, the most exciting thing when I got this was to be able to put that on screen and really feel those emotions.

### What do you love about Alex?

I think I love the character because he is so relatable. He could be anyone. He could be a friend of mine. He could've been me. It's just about the circumstances that he's put in, and the people that he's surrounded by. He's someone who's complicated and has had a complicated upbringing. He's been trained all his life by his uncle to be a spy, without knowing. And then he's a victim of circumstance, in that his parents died when he was younger, and now his uncle's dead. It's not easy, and he has to really dig deep to find the courage to save the world, to defeat his own demons. That's why he's so iconic, because he encourages us to see a side of ourselves that is steely and resilient [tough].

### You do lots of stunts as Alex. Which one have you enjoyed the most?

One day on a snowy mountain in Romania, they strapped me to a rig, which was tied to a snow bike. The

snow bike just went, and suddenly I was flying about on this thing going down the mountain. I just had to do lots of reaction shots. There were people chasing me with guns on other snow bikes, and I just had to keep my balance and also react to what was going on around me. It was really fun. I think what you're going to find with *Alex Rider* is that there are going to be some amazing stunt sequences, but it's also going to have real depth within the characters to show these are real people and how they go through these experiences.

### What did you do to prepare for the role?

I did a lot of physical training. I started by building a routine where I was exercising two days on and then one day off. And the kind of exercise I was doing was krav maga, which is an Israeli self-defence training programme. It's all about efficiency. You can only use it if you're being attacked or your life is threatened. It's about getting out of that situation in the most efficient way. The other stuff that I did was climbing. I've got really into bouldering, which is my newfound passion. I just go and climb walls for three hours straight – sometimes on my own, sometimes with an instructor. It's like solving a puzzle in your head while doing physical exercise, which for me relates to the character so much. It's a really good way of relaxing my brain, but also doing a bit of character work. I'm ready for action now. Always ready for action!



Look Closer

FirstNews • Issue 728 • 29 May – 4 June 2020

## GLOSSARY

**circumstances** – Events or situations affecting something  
**debut** – First show  
**efficiency** – Doing something effectively  
**espionage** – Spy, detective and investigation work

**idolised** – Adored or worshipped  
**krav maga** – Israeli self-defence training programme  
**resilient** – Strong and can bounce back



## BIG INTERVIEW

1. Identify the people and/or characters.

Alex Rider	A well-known and successful author
Otto Farrant	A fictional teenage spy who is the main character in a series of books
Anthony Horowitz	An actor who will play the role of Alex Rider in a new TV series

2. What is the TV series *Alex Rider* about? (Top tip: look up the word **espionage** in the glossary)

3. Why is Otto so excited to play Alex Rider?

4. Find **five** words that Otto Farrant uses to describe Alex.

5. Otto believes audience expectations of the TV series will be very high. Explain why he believes this.

6a. Explain why Otto thinks **climbing** was a great way to prepare for playing Alex Rider.

6b. As well as climbing, what else did Otto do to prepare for playing Alex?

7a. What is the headline for this article?

7b. Which effect does the journalist use to create this headline?

- A twist on a famous phrase
- A quote from the interview
- Rhyming of words
- Alliteration of sounds

8a. Would you like to watch the *Alex Rider* TV series? Explain why/why not.

8b. Who is this programme suitable for and why?

9. Otto says the programme “is going to have real depth within the characters”. What do you think he means?

10. When Otto was younger, he enjoyed reading the *Alex Rider* books and he idolised the main character, Alex. Think about some of your favourite all-time books or cartoons and the most interesting characters in them.

If you were an actor, which of these book characters would you most like to play in a TV series or film and why?

If I were an actor, I'd like to be ...	
Character:	
Book:	
Describe the character (looks, habits, personality etc):	
Explain the reasons you would like to play this character in a TV show or film:	

## Reading (Tuesday)

### Crater Lake – Chapter 19

Using information from pages 199-203, rank the following characters based on the scale below. Use evidence to support your judgements.

- Kat
- Adrienne
- Lance
- Trent
- Mak

---

Least happy  
about the plan  
to go stop the  
bug-eyes

Most happy  
about the plan  
to go stop the  
bug-eyes

## Reading (Wednesday)

### The Falcon's Malteser – Anthony Horowitz

As we have been reading a mystery book, Crater Lake, I thought it would be nice to have a look at a few other ones in the same genre. I love this book as it's full of humour and it's quite hard to guess what will happen. Have a read of this extract (on the following pages) and answer the questions below.

1. Find 3 pieces of evidence which suggest that Tim and Nick do not have much money.
2. Find 3 pieces of evidence which suggest that the visitor, Mr Naples, was, as Nick puts it, "a weird picture."
3. Find 3 pieces of evidence which suggest that Tim isn't quite as fantastic as he might think he is.
4. Find 3 pieces of evidence which suggest that Mr Naples is nervous about something.
5. Would you like to read any more of this book? Why? Be honest.



## Reading (Thursday)

### Your Choice

Here is a selection of 5 books that I am looking forward to reading at the moment. (I'm currently reading one of them.) I've included a little note on each of them. I think this says a lot about my taste in books. What about you? Can you create a similar collage? Feel free to do it straight on Seesaw. You can copy and paste images into a drawing on Seesaw so no need to print out and cut & stick. If you want to browse books and read extracts, use <https://www.lovereading4kids.co.uk/> by the way. They have lots of recommended lists and you can usually read the first chapter for free.





These stories are from pages 4 and 5 of First News. Read the stories, and then try the puzzle. To help you, we have underlined the answers to the crossword puzzle clues in the stories – but you will need to match the correct word with each clue!



## WORLD ANIMAL NEWS

### MEXICO



### NEW ZEALAND



#### Mammoth find

The remains of more than 60 mammoths have been discovered under the site of a new airport in Mexico. Archaeologists said the bones dated back around 15,000 years. The area used to be under a lake and researchers found traps for hunting mammoths at the site last year.



### RUSSIA

#### Ancient alligator

Saturn the alligator has died in Moscow Zoo at the age of 84. Saturn was given to Berlin Zoo in 1936 and survived the 1943 bombing of the city, before being moved to Moscow after the end of WW2.



#### Robot dogbody

A robot dog has been shown to successfully herd sheep in New Zealand. Spot, developed by Boston Dynamics, can be controlled remotely using software by Rocos. Rocos chief executive David Inggs said: "The age of autonomous robots is upon us!"



### IRELAND

#### LEGO hive

A beekeeper has spent lockdown building a beehive out of LEGO. The fully-functioning, colourful hive is now home to 30,000 bees. Ruairi O'Leocháin, a schoolteacher and wildlife activist, said that he had the idea before the coronavirus outbreak, and built his hive by measuring everything against a real beehive he had beside him while he was working.

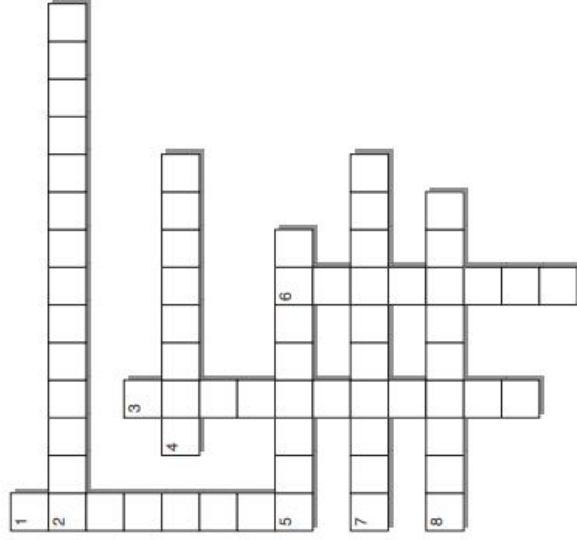


#### ACROSS

- 2) Scientists who study human and animal history by digging up remains (plural noun 14)
- 4) Remained alive (verb 8)
- 5) Programs and other operating information used by a computer (noun 8)
- 7) Independently; not controlled (adjective 10)
- 8) A large reptile similar to a crocodile, but with a broader and shorter head. It is native to the Americas and China (noun 9)

#### DOWN

- 1) Large, extinct elephants, typically hairy with a sloping back and long, curved tusks (plural noun 8)
- 3) Working correctly or as expected in every way (adjective 11)
- 6) From a distance; without contact (adverb 8)



## Writing (Friday)

Welcome to another 100 Word Challenge from home. You can write whatever you want, inspired by the picture below. You must write no more than 100 words so treat every word like it is gold. Upload whatever writing you do, either a photo or submitted as a Seesaw note, and a winner will be chosen at the end of the school day on Friday. You could write a description, a story, a newspaper article (or part of) or anything you would like at all. Have fun.

Pacman turned 40 years old last week. Click this picture to have a sneaky game of it too.





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.



The outputs will be the same.

Teddy



The outputs will be different.

Jack

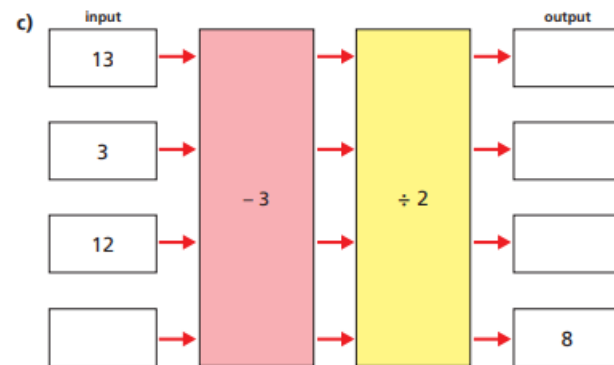
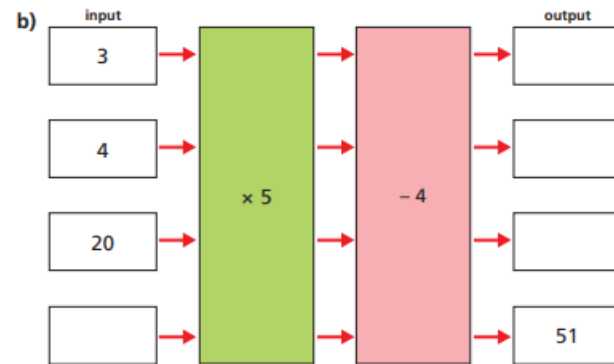
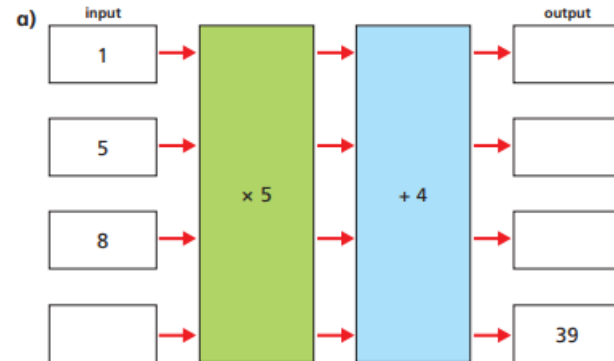
Explain to a partner who you think is correct.

Use the function machine to complete the table.

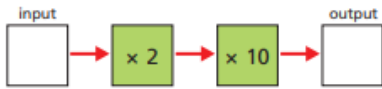
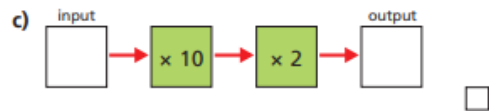
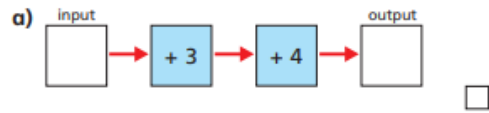
Input	1	2	3	5	10	50
Output						

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.

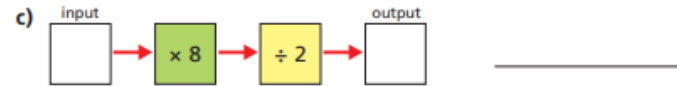


Explain your reasoning to a partner.

- 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?









## Forming expressions

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

 =  $x$        = 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)  $x + 6$

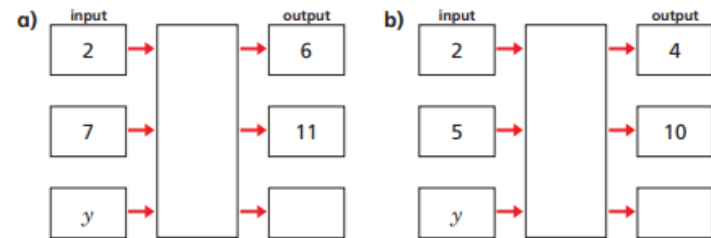
Compare answers with a partner.

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

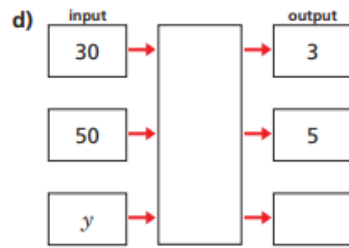
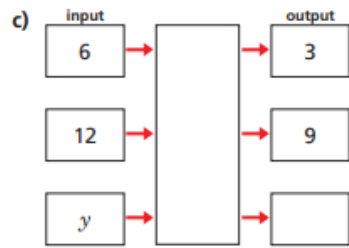
The first one has been done for you.

- 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

$y + 5$

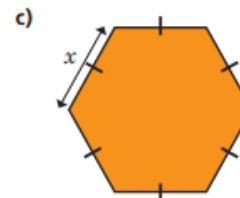
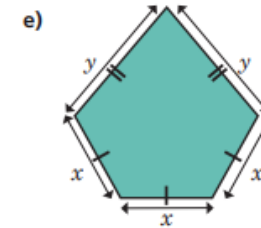
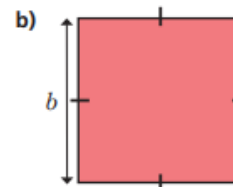
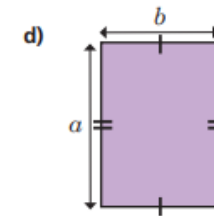
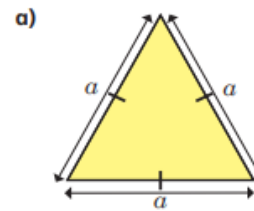
double  $y$

$5y$

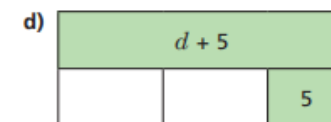
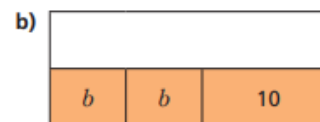
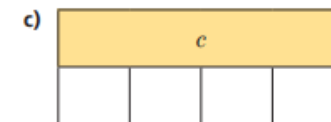
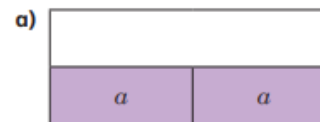
$y^2$

$\frac{y}{5}$

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

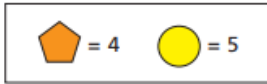


7 Complete the bar models.



Substitution

1



Use the given facts to work out the calculations.

a) + +

b) + -

c) + + + +

2



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





Solve simple one-step equations

- 1 Write an equation for each part-whole model.  
Work out the value of the multilink cube in each equation.

a)

\_\_\_\_\_

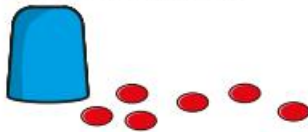
=

b)

\_\_\_\_\_

=

- 2 There are some counters under the cup.



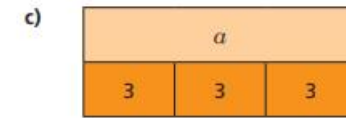
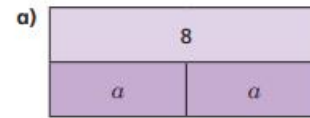
There are 10 counters in total.

- a) If  $c$  is the number of counters under the cup, explain why  $c + 6 = 10$
- b) Work out the value of  $c$ .
- c) How many counters are under the cup?

$c =$

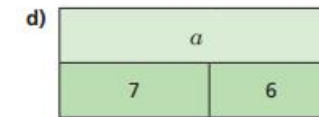
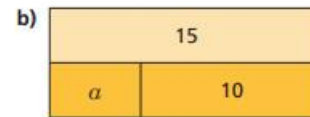


- 3 Write algebraic equations to represent the bar models.  
Find the value of  $a$  in each one.



$a =$

$a =$



$a =$

$a =$

- 4 Nijah is solving the equation  $x - 8 = 20$

$$x - 8 = 20$$

$$x = 20 - 8$$

$$x = 12$$

What mistake has Nijah made?

\_\_\_\_\_

\_\_\_\_\_

5 Solve the equations.

a)  $x + 7 = 20$

$x =$

b)  $10y = 80$

$y =$

c)  $4m = 22$

$m =$

d)  $g - 3 = 15$

$g =$

e)  $32 = t - 5$

$t =$

f)  $\frac{u}{6} = 3$

$u =$

6 Filip thinks of a number.

He subtracts 5 from his number.

He ends up with 10

Write an algebraic equation to represent Filip's problem.

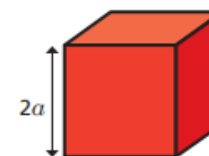
\_\_\_\_\_

Solve the equation to work out his number.

7 Dexter builds a tower.

Each block is  $2a$  high.

He uses 7 blocks.



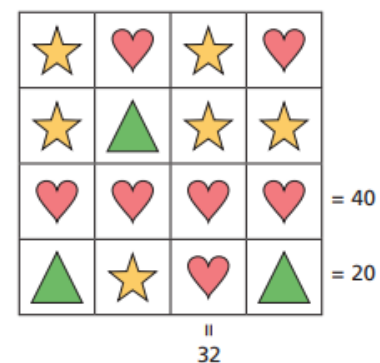
The total height of his tower is 42 cm.

Write an equation to represent the height of Dexter's tower and find the value of  $a$ .

$a =$   cm

8 Work out the value of each shape.

Write the equations that you solved to find the value of each shape.



♥ =

★ =

▲ =

Work out the missing total of each row and column.

Compare answers with a partner.

## Music Video

So this week, we would like you to try to help us put together a music video with 34 amazing year 6 children in, without leaving the comfort of your own home.

We will use a free video that everyone should be able to access and seems quite poignant right now: Times Like These by The Live Lounge Allstars. This song, originally by the Foo Fighters, has been re-recorded by a large group of artists you will probably recognise, during lockdown. The lyrics are quite fitting for what everyone has been going through. Mr Hague will do all the editing but we need video footage from every single one of you. Just upload your clip to Seesaw. (Only your parents and the teachers can see it.)

Could you please have a listen to the song a few times and then record yourself singing along. **Do not worry about how you sound because nobody will hear it.** The only audio will be from the actual song. You will all be muted so feel free to mime, lip-sync or sing as loudly as you'd like – it doesn't matter.

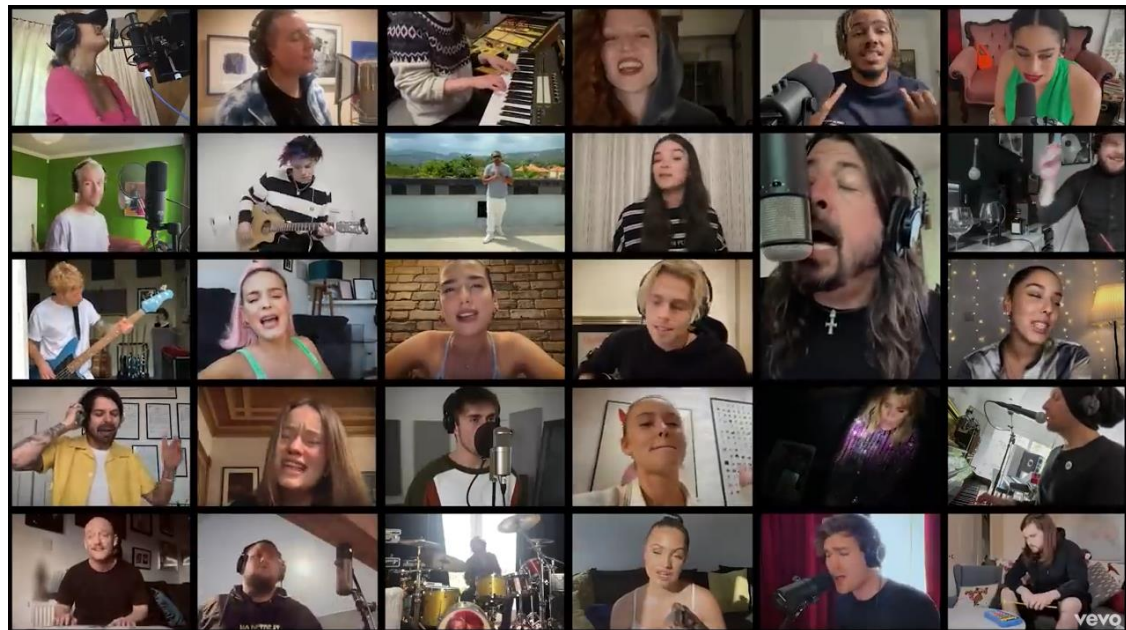
If you can record yourself singing the following parts, this should allow Mr Hague to make most of the video (Verse 1, Chorus, Verse 2). Click the image below to watch the video and learn the song. If you want to sing the whole thing, by the way, go for it!

Be creative, take inspiration from this video for what you could do and have fun. We can't wait to see your beaming smiles.

*I, I'm a one-way motorway  
I'm the one that drives away  
Then follows you back home  
I, I'm a street light shining  
I'm a wild light blinding bright  
Burning off alone*

*It's times like these you learn to live again  
It's times like these you give and give again  
It's times like these you learn to love again  
It's times like these time and time again  
I, I'm a new day rising*

*I'm a brand new sky  
To hang the stars upon tonight  
I am a little divided  
Do I stay or run away  
And leave it all behind?*





Challenge

# FLAT TEACHER Adventure



with mini Mrs. Juggins  
& mini Mr. Hague



Hey friends!  
How have you been?  
We miss you a ton,  
So let's have some fun!

Let's go for a cycle,  
Or paint or read,  
We could eat pizza or cake,  
You take the lead!

We love adventures,  
Wherever you're at,  
So we've shrunk ourselves  
down,  
And made ourselves flat!

Wherever you go,  
Just remember real quick,  
If you've a camera,  
Please take a pic!

So pop us in your pocket,  
Your bag or your car,  
We'll go anywhere you go,  
Whether it's near or far.

We can't wait to hear from you,  
We miss you an awful lot,  
We are so proud of you,  
Now let's see what you've got.

Why not have a go at taking a photo of you doing each of these things on the grid, with mini Mrs. Juggins & mini Mr. Hague with you?

There are 4 mini Mrs. Juggins & 4 mini Mr. Hagues for you to cut out on the next page. Take one with you; take a photo of you and them; and post to Seesaw.

I wonder: can you complete the whole grid?

<p>Let's read a book together!</p>	<p>Going on a walk would be amazing!</p>	<p>Let's hang out in a fort! Make it from anything.</p> <p>How can I help?</p>	<p>Shall we watch a film?</p>
<p>Can we just have some chill time with your family?</p>	<p>I'm hungry! Please feed me!</p> <p>WHAT'S FOR LUNCH?</p>	<p>Can we take a bike ride? Wear your helmet!</p>	<p>Let's take a selfie with your funniest face!</p>
<p>Can you build me an obstacle course or draw me a hopscotch game?</p>	<p>Let's just go play outside.</p> <p>hello SUNSHINE</p>	<p>Can you teach me to draw some pictures?</p>	<p>It's been a while since I've played a board game, online or a card game! Let's play!</p>
<p>Let's do some chores together!</p>	<p>Let's just do something kind for someone.</p>	<p>Let's do your schoolwork together!</p> <p>MISSION ACCOMPLISHED</p>	<p>Choose your own adventure! Surprise me in a good way!</p>

