

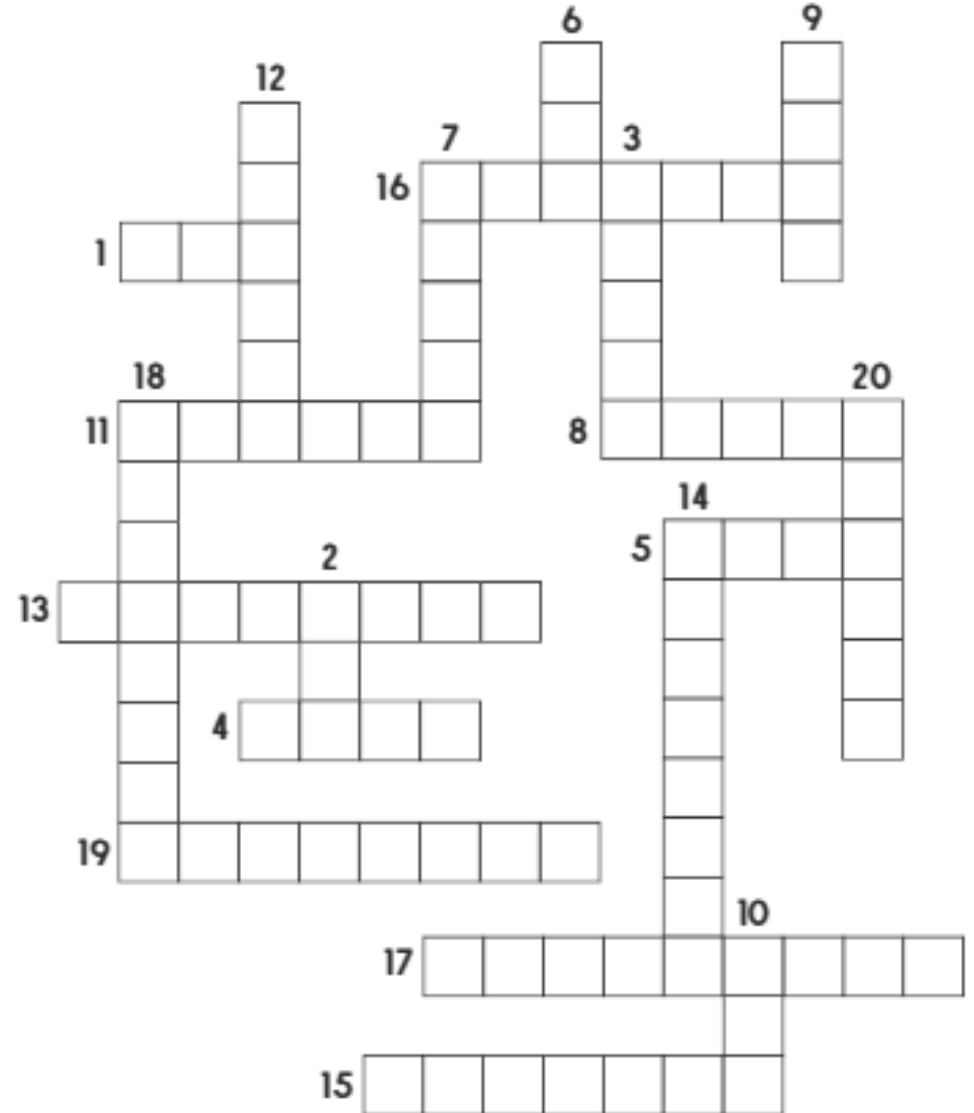
Tuesday 15th July 2025
Morning challenge

Can you write in the
numbers from 1 – 20?

Tour 9.45am - 10.15am

NUMBERS 1-20

CROSSWORD PUZZLE



Zoo Maths Project!

How many of these can you name?



Session 1 – Welcome to the zoo!

TBAT: consolidate our knowledge of data and statistics.

- You will be working in a group to decide how you are going to create your zoo.
- We will be completing different tasks during the next few maths lessons.
- Write the names of your project team in your booklet or maths book.



Session 1 – Welcome to the zoo!

Task 1a –

- You need to decide which animals you are going to put in your zoo.
- **Conduct a survey** in the class to find out our preferred animal. Use a tally chart to help you record your data.
- Use this to decide, as a group, which animals you want to in your zoo!

Session 1	
Zoo Project Team Names:	
Task 1 You need to decide which animals you are going to put in your zoo. Conduct a survey in the class to find out our preferred animal. Use a tally chart to record your data first. Think about how you can present your data clearly – can you draw a bar graph or a pie chart to represent it?	
	
Animal	Votes
Elephant	
Turtle	
Flamingo	
Orang-utan	
Shark	
Giraffe	
Leopard	
Panda	
Bat	
Lizard	
Tiger	
Parrot	
Rhinoceros	
Dolphin	
Llama	
Butterfly	
Kangaroo	
Zebra	

Session 1 – Welcome to the zoo!

Task 1b

Now you have worked out which animals to put in the zoo, you need to decide which attractions you will include.

- Discuss with your group and sort the attractions from 1-12 in order from most important to least important.

[illegible]

Session 2 – Design your zoo!

TBAT: consolidate our knowledge of written calculation methods.

- Zoos don't come cheap!
- Look back at your data from our previous session – what will be the most important animals and attractions to include at your zoo?
- Now it's time to start planning out what your zoo will contain.



Session 2 – Design your zoo!

Task 2a –





- Use the information in the booklet to help you **calculate the cost** of the animals you want.
- Look carefully at the ‘**social group**’ number – you don’t want your animals getting lonely!
- Use formal written methods of **multiplication** to help you calculate accurately.
- Record your amounts on the table so you can keep track of how much you’re spending.

[illegible]

Session 2 – Design your zoo!

Task 2b –





- Now do the same with the attractions you want to have in your zoo.
- Use your column addition knowledge to find the total cost of all of your attractions.
- Use the 'attractions information' sheet to find the prices and recommended quantities.

Attractions information			
	Name: Ice cream van Price: £231 Recommended quantity: 3 Location: Place near the entrance to the zoo.		Name: Log flume Price: £1457 Recommended quantity: 1 Location: Keep away from the petting zoo.
	Name: Burger restaurant Price: £345 Recommended quantity: 2 Location: Keep away		Name: Milkshake stand Price: £154 Recommended quantity: 2 Location: Keep away from the ice cream van.

Task 2b

Now do the same calculations for the attractions you want in your zoo. Think about what you found out from your survey, if you completed in the previous session. Use the 'attractions information' sheet to find the prices and recommended quantities.

Attraction	Quantity	Total cost (show your workings)
Ice cream van		
Pizza restaurant		
Burger restaurant		
Popcorn stand		
Petting zoo		
Photo booth		
Cuddly toy shop		
Adventure playground		
Log flume		
Milkshake stand		
Balloon stand		
Hoverboard rental		

	Name: Balloon stand Price: £201 Recommended quantity: 2 Location: Keep away from the giraffes.
	Name: Hoverboard rental Price: £905 Recommended quantity: 1 Location: Place near the adventure playground.
	Name: Adventure playground Price: £1092 Recommended quantity: 2 Location: Place near the cuddly toy shop.
	Name: Pizza restaurant Price: £457 Recommended quantity: 1 Location: Keep away from other restaurants.

Session 3 – Organise your zoo!

TBAT: consolidate our knowledge of written calculation methods.

- Yesterday, you made your ideal plan for your zoo. Now you need to check it can fit in with your budget!
- Your budget is **£7000**.



Task 3 -

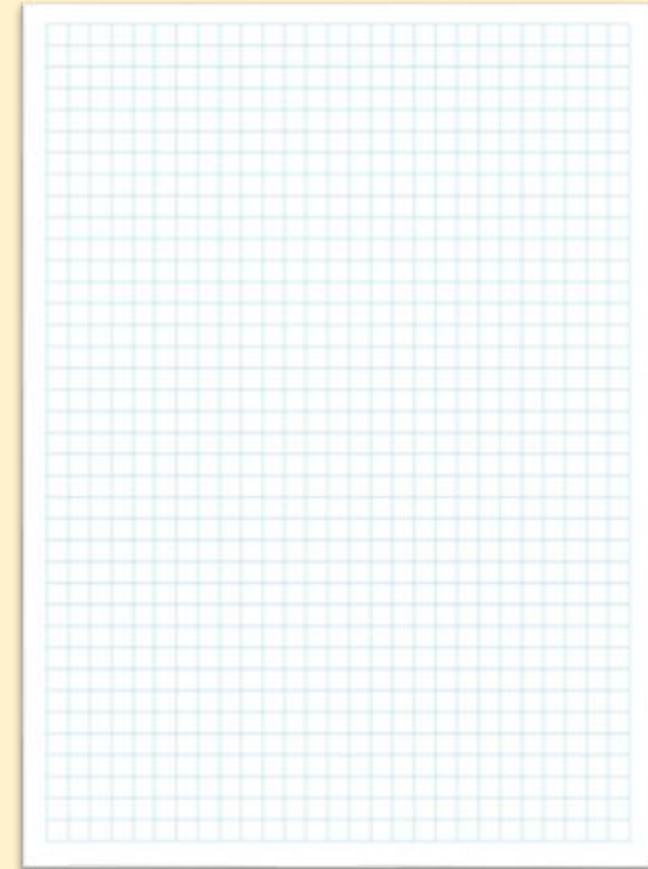
- Your budget is **£7000**.

- [illegible]

Session 3 – Organise your zoo!

Task 4 – planning

- Now you need to start deciding where you are going to place all your attractions and animals.
- Check how much space each animal enclosure and attraction takes up in your information booklet. Don't forget you will also need to add paths and toilets!
- Check everything will fit on your sheet.
- Complete your **planning** on your A3 squared paper **planning sheet. USE A RULER!!!!**
- Label each area neatly so it's clear what it is.
- Make sure everyone takes turns.



Session 4 – Get ready!

TBAT: consolidate our knowledge of area.



- There isn't long to go until it's the opening weekend of your zoo! Construction needs to begin ASAP.
- Finalise your plan – you might want to use another sheet to represent it neatly.
- Ensure it's clear what's what on your map. You could create a key to do this effectively.
- Bring your final map to an adult to be approved before construction begins.

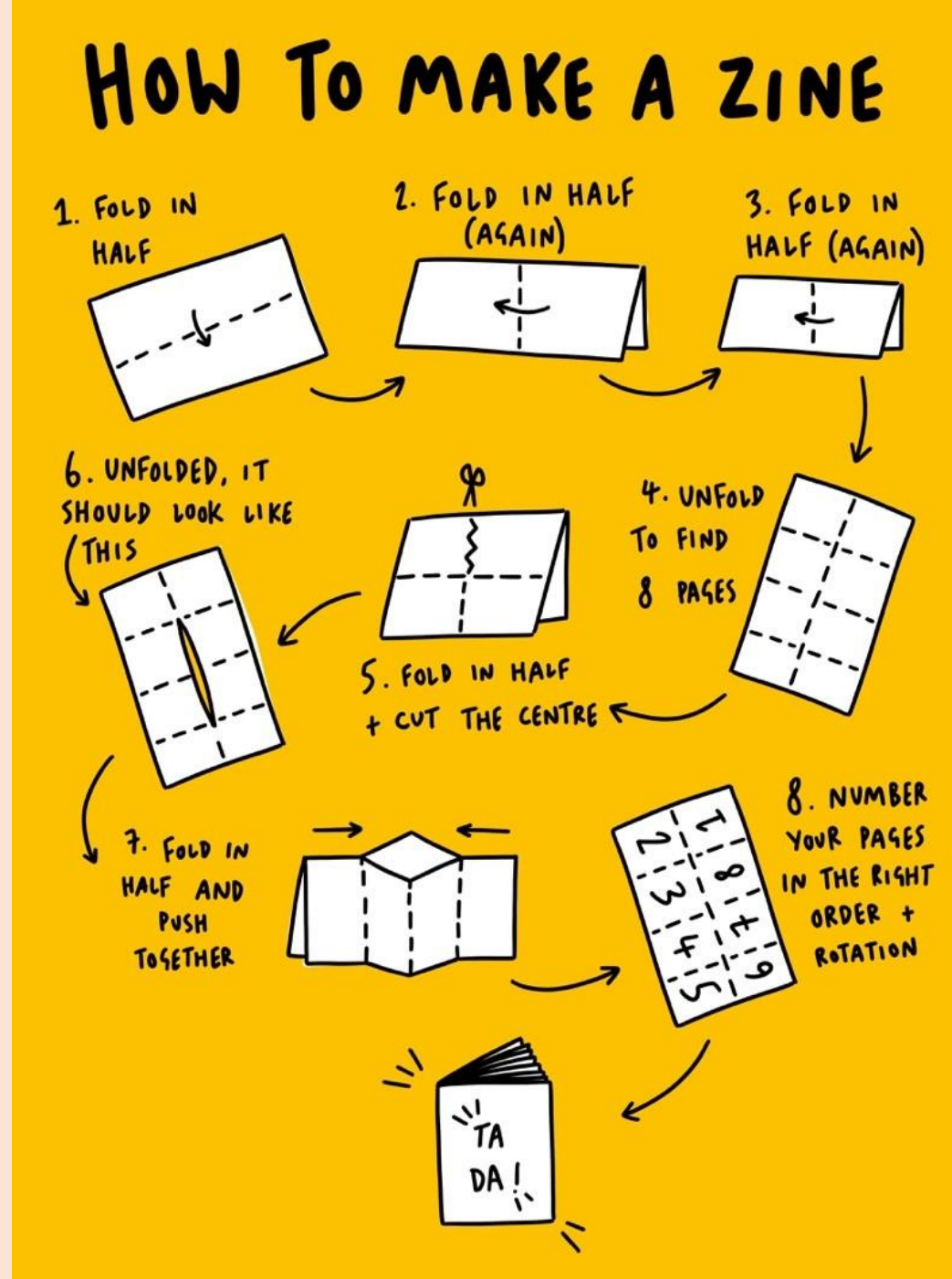
Tuesday 15th July 2025

TBAT: write a short story
in the form of a Zine

Think about how many pages you have in your zine. On your whiteboards, make a rough plan of what will go on each page for your zine.

You can split your page for writing and pictures or use speech bubbles and captions.

Use neat handwriting and make it colourful. Let's look at some examples.

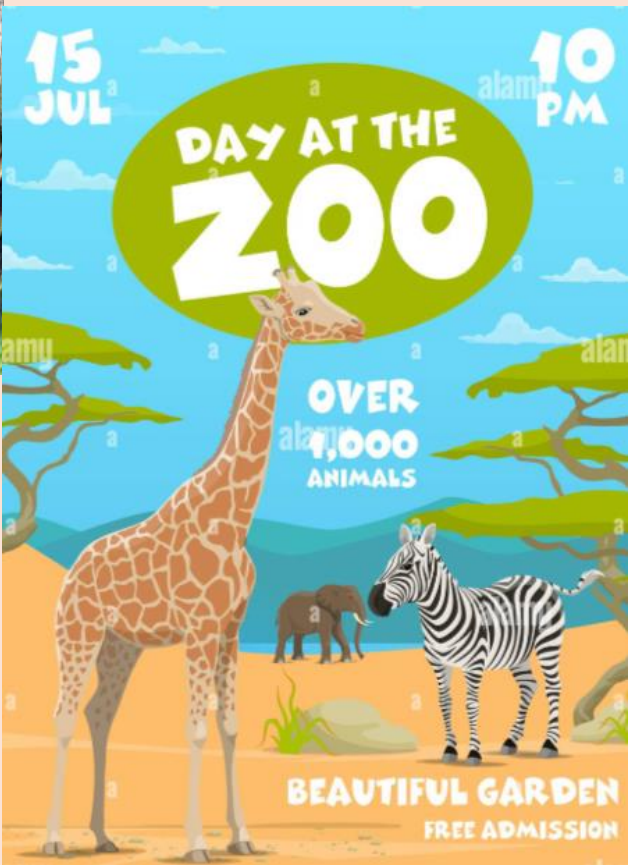
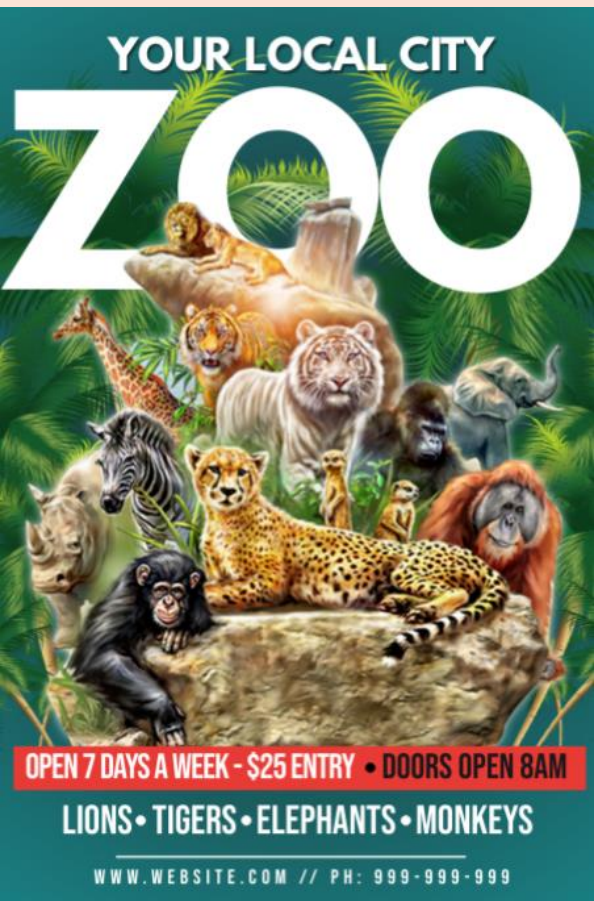


Tuesday 15th July 2025

TBAT: write a short story in the form of a Zine



Tuesday 15th July
TBAT: design a poster for a zoo



What to include:

Think about your target audience – children! Make your poster appealing to them.

Include what food stall you have to offer.

What is the entrance price.

What extras does your zoo have – log flume, etc

Draw pictures of the animals you have included in your zoo. Remember to use descriptive language to make them sound amazing! Make sure your writing is bold and clear to read.