

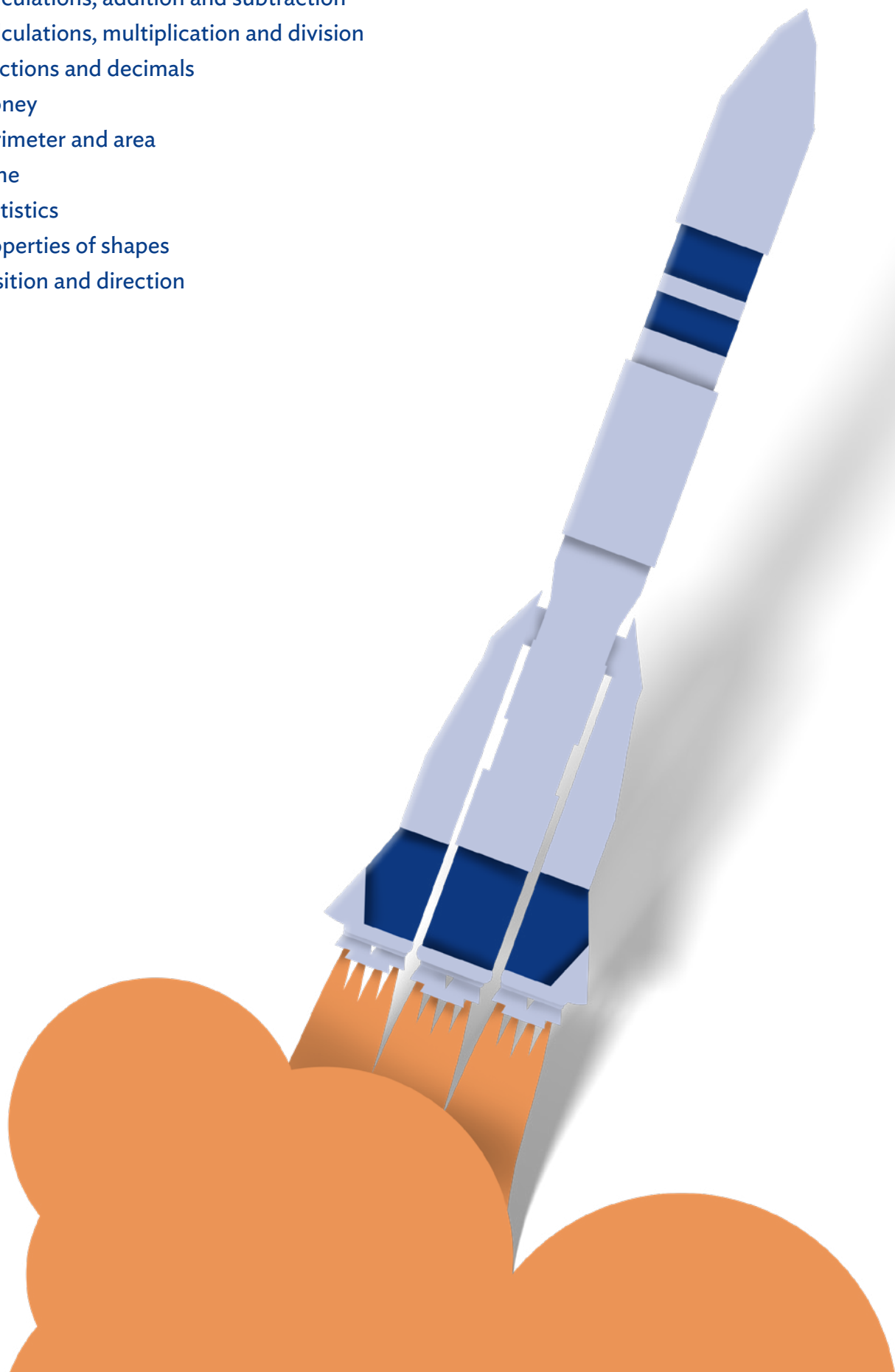


Coventry Counts

Year 4 workbook

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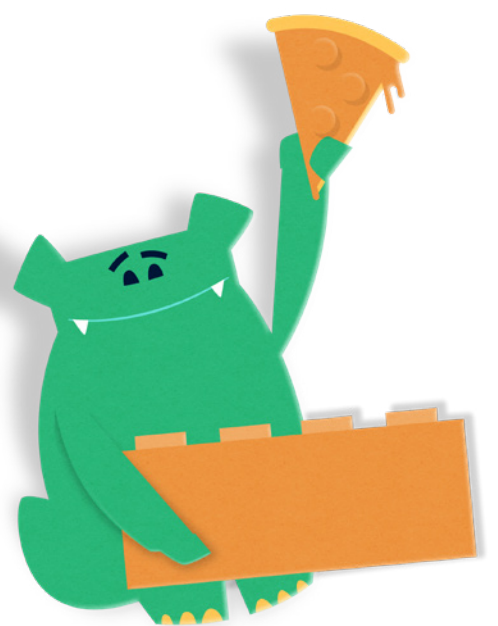




Year 4 - Place value

Famous inventors

You're part of the marketing team who works at Coventry Transport Museum. Your team has been asked to create a timeline to be displayed in the museum which shows when different modes of transports were invented and who invented them. There are 6 cards below to help you create this timeline. Fill in the cards by completing the following tasks.



Position:

**Yuri Gagarin was
the first man
in space**



Year:

Yuri Gagarin was:

Position:

**Karl Benz designed
the first petrol
automobile**

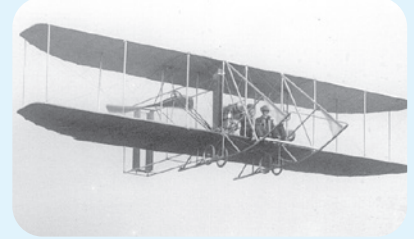


Year:

Karl Benz was:

Position:

**The Wright
brothers invented
the aeroplane**



Year:

Orville was:

Wilbur was:

Position:

**The Montgolfier
brothers invented the
hot air balloon**



Year:

Joseph was:

Jacques was:

Position:

**Richard Trevithick
invented the
steam engine**



Year:

Richard was:

Position:

**John Kemp Starley
invented the
modern bicycle**



Year:

John was:

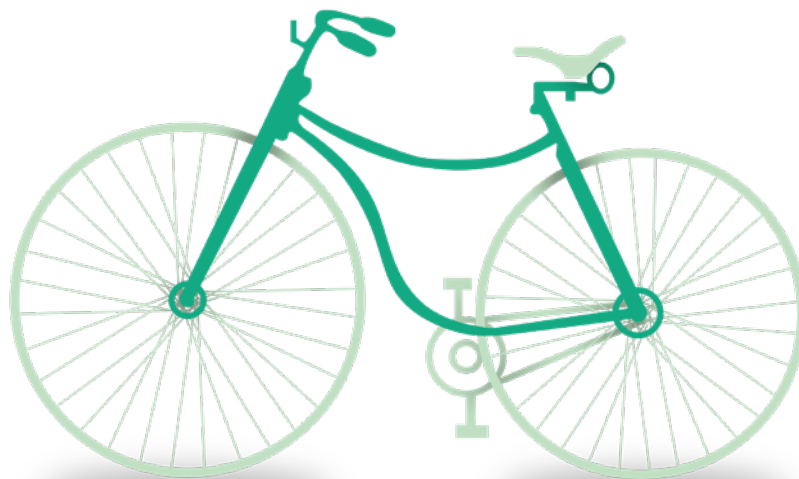
Task 1

Cut out the 6 cards which display the different modes of transport and who invented them. Below is a table with the years when each mode of transport was invented. Use the clues below to match the year to each mode of transport. Then write the year on each card.

1. The year the first plane launched into the sky has a 9 in the hundreds place.
2. The year the first petrol automobile (car) was invented has an 8 in both the hundreds and ten place.
3. The year the hot air balloon was invented has a 7 in the hundreds place.
4. The year of the first space flight has a 1 in the ones place.
5. The year the modern bicycle was invented has a 5 in the ones place.

Years mode of transports were invented

1903	1886	1961	1783	1885	1802
------	------	------	------	------	------



Task 2

Write the year the mode of transport was invented in words below.

Hot air balloon:

Steam locomotive:

Aeroplane:

Space travel:

Petrol automobile:

Modern bicycle:

Task 3

Share the cards out amongst team members and take it in turns to put one card down on the table ordering them from the earliest invention to the latest invention. Once you've done this write the order on the card with 1 being the earliest and 6 being the latest.

Task 4

Below shows the age the inventors were when they made their inventions in Roman numerals. Can you convert them to numbers? Enter these on each card.

- Richard Trevithick was XXXI when he invented the 1st steam locomotive.
 - Joseph-Michel Montgolfier was XLIII and Jacques-Étienne Montgolfier was XXXVIII when they invented the hot air balloon.
 - Orville Wright was XXXII and Wilbur Wright was XXXVI when they first launched an aeroplane into the sky.
 - Yuri Gagarin was XXVII when he was the first person to go into space.
 - Karl Benz was XLI when he designed and built the world first petrol automobile.
 - John Kemp Starley was XXVIII when he invented the modern bicycle.
-

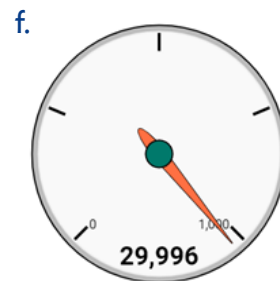
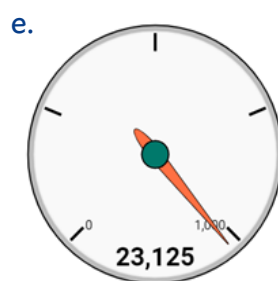
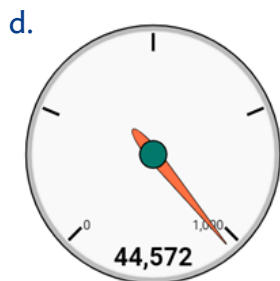
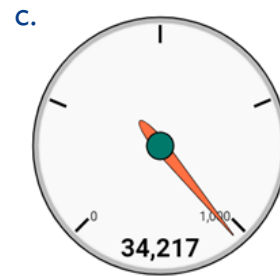
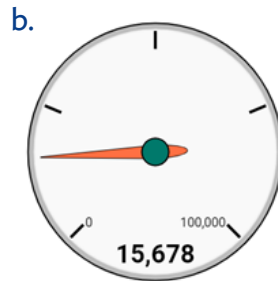
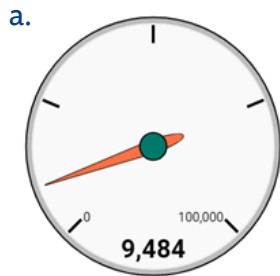
Task 5

Create a timeline on a piece of card by sticking the pictures on the card in the order found in task 3.



Optional extension activity

Below are the mileage clocks of 6 cars in the museum. Your manager has asked you to round these mileages to the nearest 10, 100 and 1000.



Mileage	Nearest 10	Nearest 100	Nearest 1000
9,484			
15,678			
34,217			
44,572			
23,125			
29,996			



Year 4 - Calculations, addition and subtraction

Gem treasure hunt

You're to imagine you're an archaeologist working in a team who has found a note from a long time ago. It states some valuable gems have been buried in a room somewhere under St Michael's church. The note contains addition and subtraction problems which when solved correctly will tell you in which room the gems are buried. Will you get to the gems before anyone else?

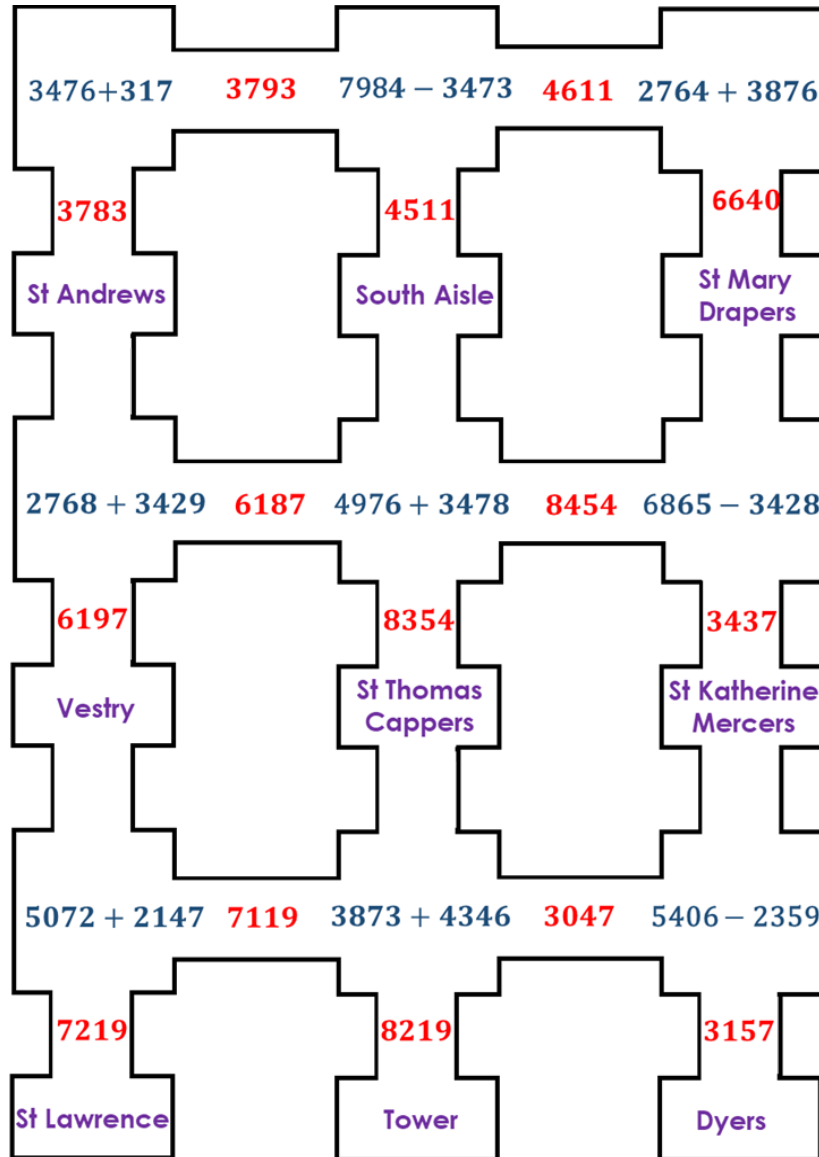
Dear friend

I fear someone is planning to steal my precious gems, so I've buried them under one of the rooms of the church. If you can solve the puzzle below the gems are yours. There are 4 puzzles which involve answering addition and subtraction problems. When you solve the problems, you'll be given a room to cross off on the floor plan. The one that is not crossed off at the end is the room where the gems are buried.

Good luck!

Puzzle 1

Start at the top left-hand corner and work your way through the maze answering the questions. If you go through a room, the treasure is not buried in this room, cross this off on the floor plan. There three rooms to cross off in total.



Puzzle 2

Complete the calculation below. Add altogether all the missing numbers. Then calculate the digit sum of your answer. This means adding together all the digits in your answer. If your new answer is not a one-digit answer, then add these two digits again and so on until you get a one-digit number. The digit sum is the room to cross off on your floor plan.

$$\begin{array}{r}
 \square 4 \square \\
 + \quad 3 \square 9 \\
 = 1065
 \end{array}$$

Puzzle 3

Look at the sum below, is it correct? Show whether it's correct by using the inverse. If it's correct cross off room 8 otherwise cross off room 2.

$$\begin{array}{r} 871 \\ - 469 \\ \hline 412 \end{array}$$

Puzzle 4

Solve the 3 addition and subtraction problems below. For each answer find the number in the hundreds place, this is the room number to be crossed off on the floor plan.

Below shows the number of people that visited the local theatre from Monday to Friday one week.

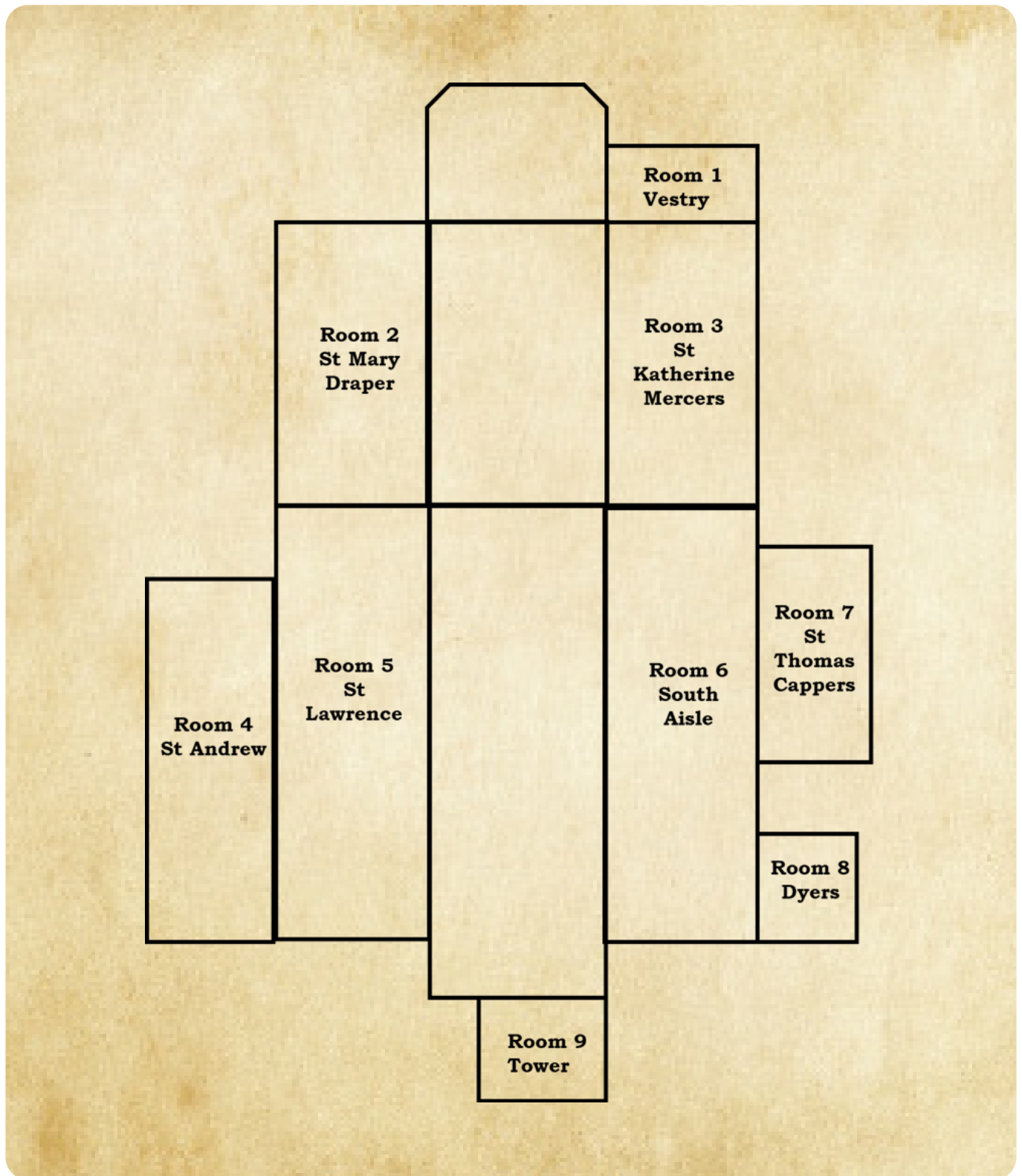
Day	Vistors
Monday	1,237
Tuesday	1,343
Wednesday	1,521
Thursday	1,639
Friday	1,767

1. How many visitors went to the theatre from Monday to Wednesday?

2. The capacity of the theatre is 2,100. How many tickets were **not** sold on Thursday and Friday?

3. Normally, the theatre is sold out on Saturday and Sunday. However, 104 tickets were unsold on Saturday and 312 tickets were unsold on Sunday. Estimate the number of unsold tickets on Saturday and Sunday?

Floor plan



The gems are buried

.....

Optional extension activity

Use the internet to research the history of Coventry. Below are some important events in the history of Coventry. Can you find out which year they happened, then create a timeline of when each important event happened.

Started to build St Mary's Guildhall

New cathedral built

St Mary's Cathedral completed

Started building the city wall

Coventry City Football Club win the FA Cup

Started building St Michael's Spire

St Mary's Priory was demolished

City wall was demolished

Leofric and Godiva endowed the
monastery in Coventry



Year 4 - Calculations, multiplication and division

War time secret agents

It's 1940 and you're working as a secret agent for the British. You've been informed that the Germans are planning to bomb Coventry. Your mission is to crack their message by solving 3 clues which will tell you the day, the month and the time the bombing is planned for. Can you crack the code before the Germans bomb Coventry?

Clue 1

Solve the following multiplication and division problems and use the code to determine the time the Germans will bomb Coventry.

A	B	C	D	E	F	G	H	I	J	K	L	M
24	144	3	27	28	33	32	7	54	48	5	10	63
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
132	108	30	42	8	11	12	9	6	1	33	49	72

Problem	6×7	$81 \div 9$	8×3	$24 \div 3$	$96 \div 8$	4×7	$64 \div 8$
Answer							
Letter							

Problem	5×6	6×4	$132 \div 12$	$108 \div 9$
Answer				
Letter				

Problem	$\square \div 7 = 4$	$\square \div 9 = 6$	$\square \div 4 = 8$	$7 \times \square = 49$	$\square \times 2 = 24$
Answer					
Letter					

What time will the Germans bomb Coventry?

Clue 2

In the war there was a shortage of certain foods. So, on the 8 January 1940 certain foods were rationed, which meant each person was only allowed to buy a set amount of a food product each week. Look at the table below and work out in grams the amount a family of 7 can have each week of each of the food items.

Food item	Amount in grams	Amount for 7 in grams
Bacon and ham	110g	
Butter	55g	
Sugar	220g	
Sweets	85g	

For each answer find the digit sum. This means adding together all the digits in your answer. If your new answer is not a two-digit answer, then add these two digits again and so on until you get a one-digit number.

Then add all four of your digit sum answers together. This is the day in the month the bombing will occur.

What day in the month will the Germans bomb Coventry?

Clue 3

Answer the 4 problems below. Take each answer and add the digits together. Look for the answer which appears twice and use the table below to help you convert this number into the month of the bombing.

Month number	Month	Month number	Month
1	January	7	July
2	February	8	August
3	March	9	September
4	April	10	October
5	May	11	November
6	June	12	December

1. A box of spam contains 10 packets and each pack contains 8 tins of spam. A shopkeeper buys 7 boxes of spam for his shop. How many tins of spam does he buy?

2. There are 60 engines being built for spitfire planes by women in a factory. There are 8 women working on each engine. Using place value and known facts, mentally multiply the number of women working in the factory.

3. A shop keeper has created a sweet bag where each bag contains 2 sherbet dabs and 6 pear drops. Mary's Mum goes to the shop to buy these sweet bags. When she gets back she empties them all out into a bowl. There are 6 sherbet dabs. How many pear drops are in the bowl?

4. On Saturday a shopkeeper sold 7 packs of baked beans with 4 cans in and 9 packs of baked beans with 6 cans in. On Sunday he sold 26 less cans of baked beans than he sold on Saturday. How many cans did he sell on Sunday?

What month will the Germans bomb Coventry?

Dear Prime Minister, 12 October 1940

Urgent message from secret agents.

The Germans will bomb Coventry on the

of
 at

Optional extension activity

Use the internet to find out about the Morse code. Can you use Morse code to translate the message below?

... •— ——	•—
—• • •—• — •— —•	... •——• —•—	



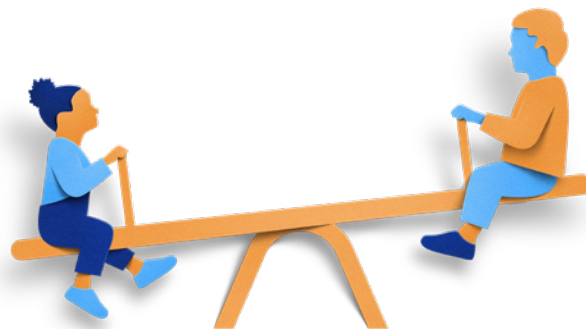
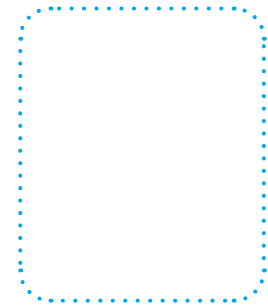
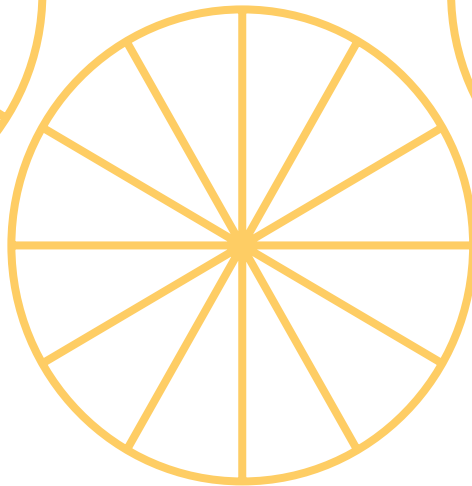
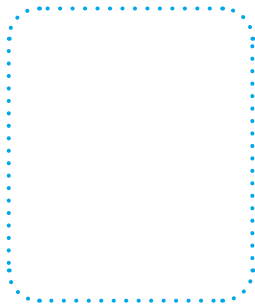
Year 4 - Fractions and decimals

The birthday parties

You work as a chef in the café at Coombe Abbey and you have 2 birthday parties this lunchtime. The 2 customers who have birthdays are really looking forward to their parties. You need to complete the following tasks so that the customers have a good time and get what they've ordered. Will the customers have a good time at the party?

Garlic bread

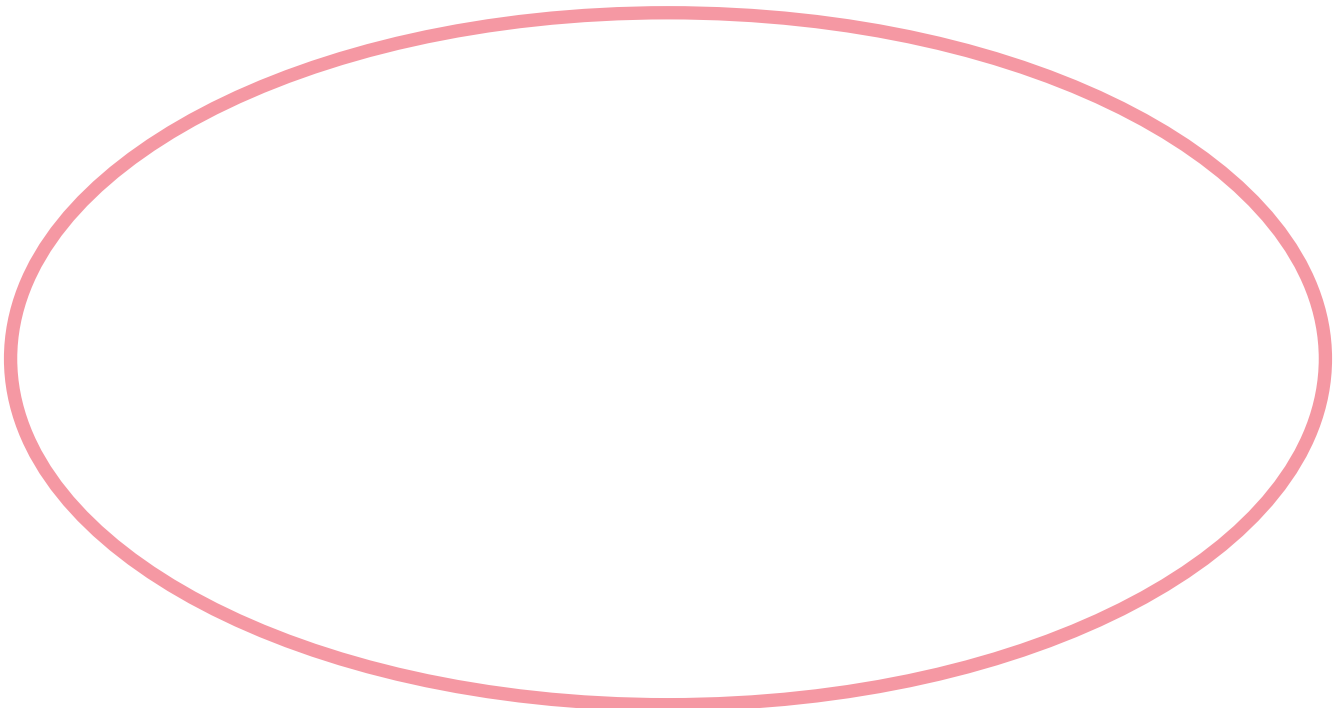
The restaurant serves $\frac{2}{3}$ of a garlic bread on a plate cut into 2 pieces. However, some guests prefer smaller pieces. Your task is to investigate the number of pieces it could be cut into. Colour in each circle below to show $\frac{2}{3}$ and write the equivalent fractions in the boxes.

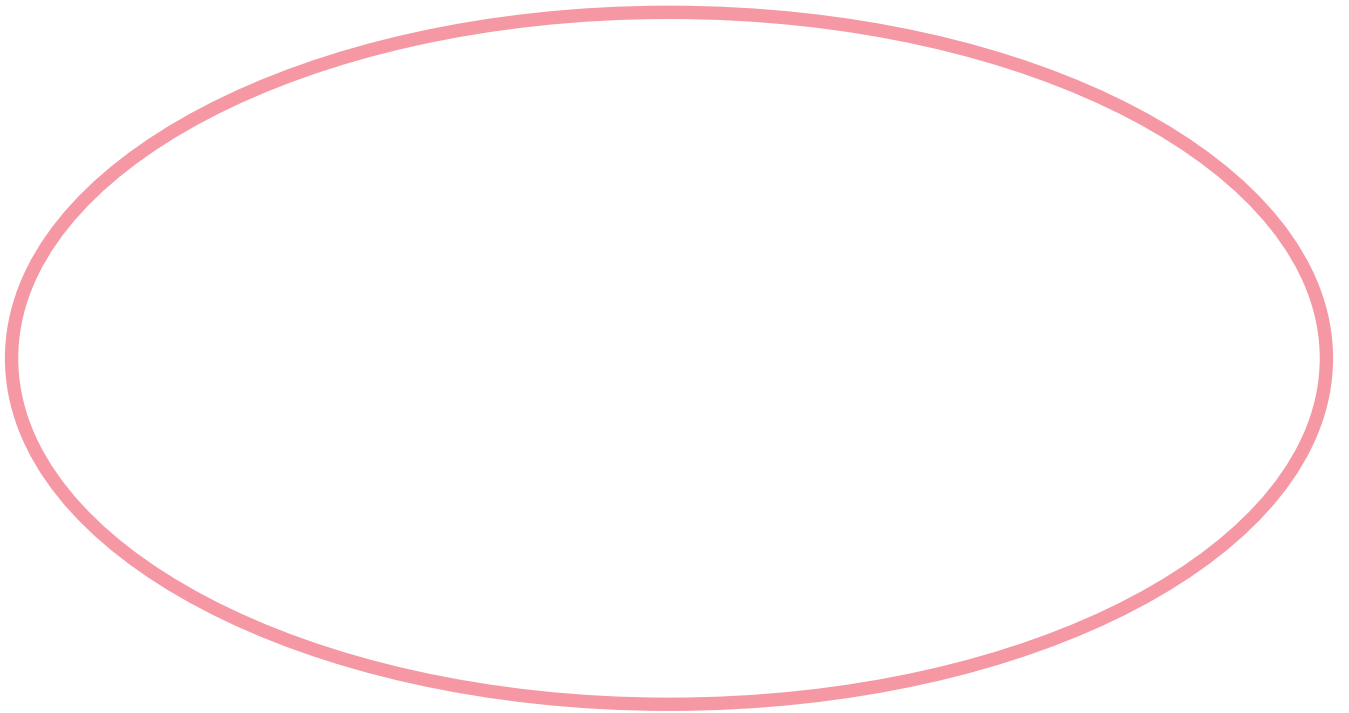
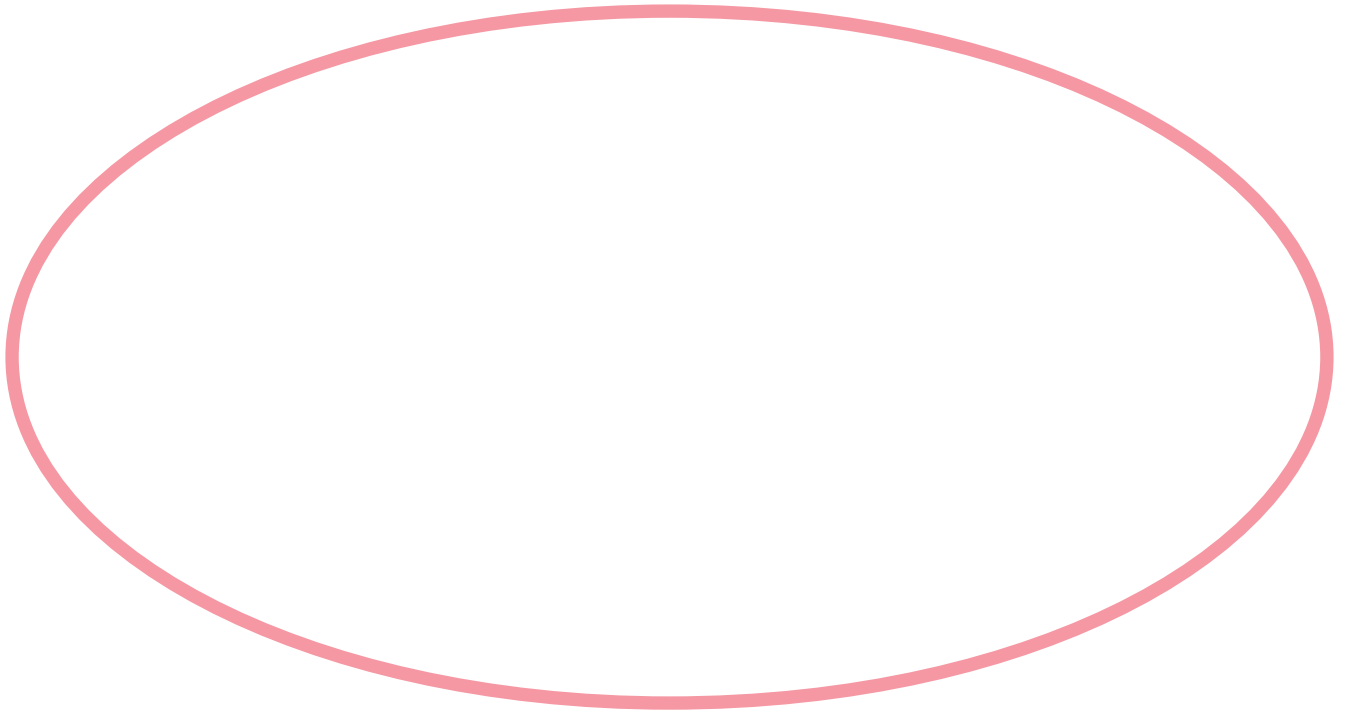


Sandwiches

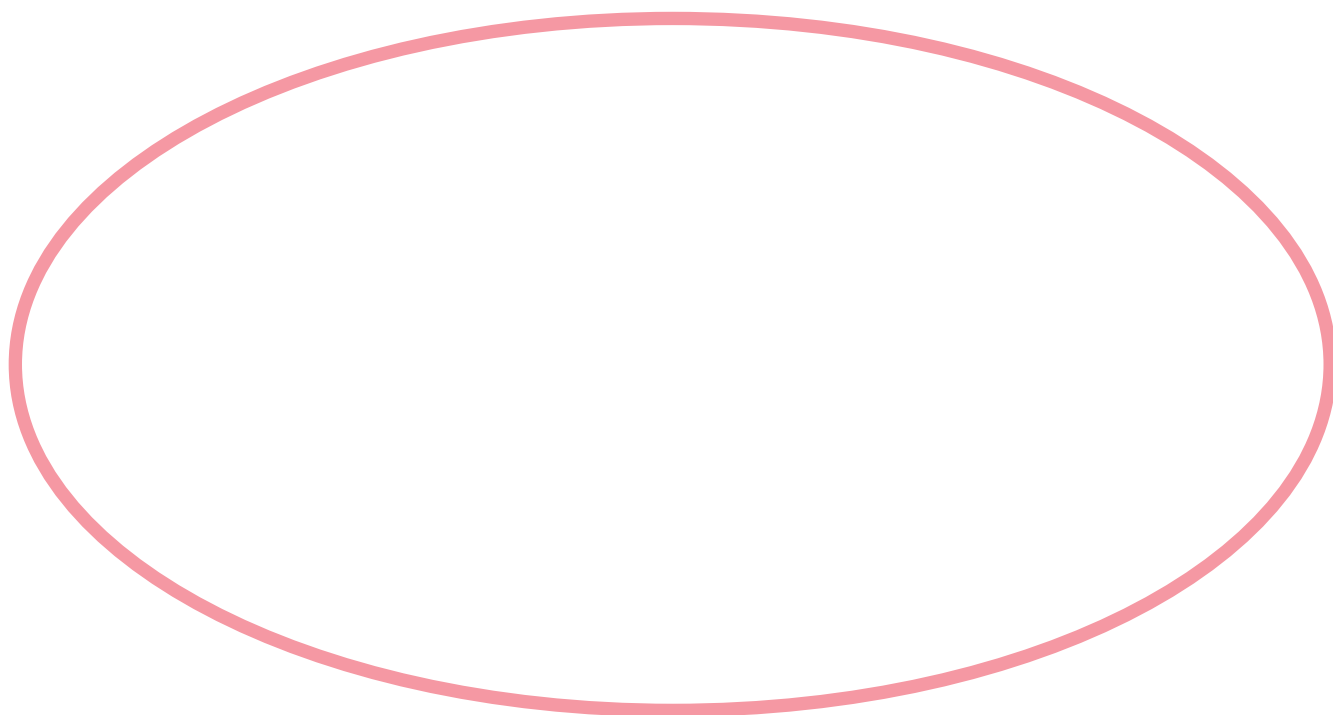
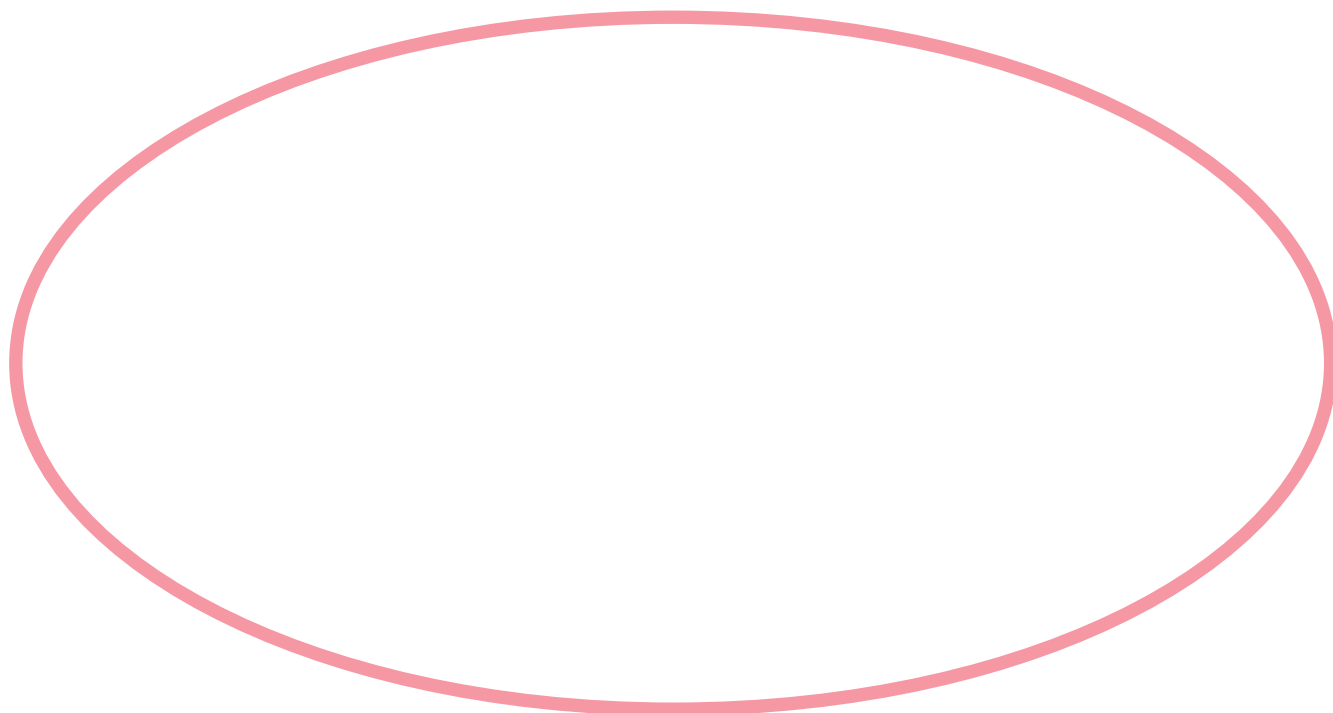
56 sandwiches have been made for both parties. Instructions of how many are for each party and how many go on each plate is shown below. Either draw the correct sandwiches on each plate or cut out and stick the sandwiches at the bottom of the sheet on each plate.

1. $\frac{4}{7}$ of the sandwiches are for an afternoon tea themed party. Put $\frac{1}{4}$ of the sandwiches for the afternoon tea themed party on each of the 4 plates. How many are on each plate?





2. The rest of the sandwiches are for the Fortnite themed party. $\frac{5}{8}$ of the sandwiches go on one plate and the rest go on the other plate. How many are on each plate?



Desserts

The person who booked the tea party is asking questions about the price of the desserts. The table below show the cost of the 6 desserts. Can you answer their questions?

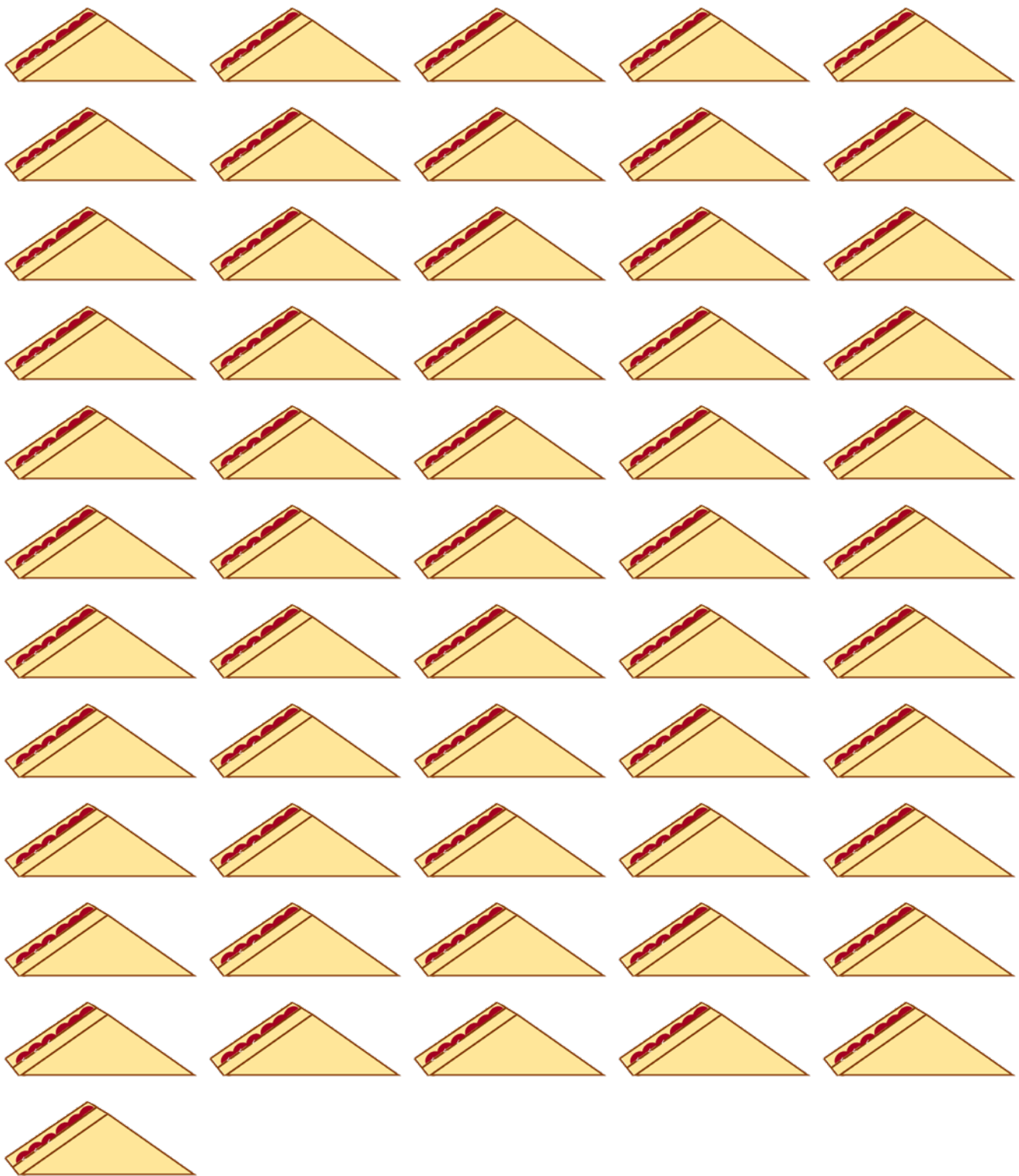
Desserts	Cost
Carrot cake	£3.87
Chocolate cake	£4.12
Lemon drizzle	£5.23
Coffee and walnut	£5.63
Victoria sponge	£3.08
Banoffee pie	£4.67

1. What is the difference in price between the chocolate cake and the carrot cake?

2. What is the difference between the lowest and highest price cake?

3. How much would it cost if they order a slice of each piece of cake?

Sandwiches



Optional extension activity

There's a hotel at Coombe Abbey. You're to imagine you work in the hotel and you've been asked to find out some information about nearby attractions for your hotel guests. The table below shows 5 nearby attractions and how far they are away from Coombe Abbey. Can you round to the nearest whole number the distance these attractions are away from the hotel? Then use the internet to find out what each attraction is and write a short description of what each attraction is?

You could also create a leaflet about these attractions to give to the hotel guest.



126 Miles

Attraction	Description	Distance in miles	Distance to nearest whole number
Draycote Water Visitor Centre		7.5	
Coventry Cathedral		4.2	
The Transport Museum		4.3	
Brandon March Nature Reserve		2.8	
Midlands Air Museum		4.1	

Year 4 - Money

Shopping with Mum

You're in the town centre with Mum. You start off in Coventry Building Society where you open a savings account. Then you go to several shops to buy certain items. You'll also have time to have some lunch and an ice cream. Work together to answer the questions using the money provided.



1. You have some money in a money box. You decide to put this money in a savings account with Coventry Building Society. Below is the money in your money box. How much do you have?



2. First, you both go to the book shop to buy your friend a joke book for her birthday. There are 4 books to choose from.

Silly jokes

505p

Funny jokes

£3.75

Hilarious jokes

£5.50

Hysterical jokes

370p

a. Can you order them on price from the lowest price to the highest price?

Empty dotted box for writing the answer to question a.

b. You decide to buy the cheapest joke book. You pay the shopkeeper £10.00. How much change do you get?

Empty dotted box for writing the answer to question b.

3. Then you both go to the clothes shop where you buy t-shirts which cost £4.00 each and tracksuit bottoms which are £5.00. Your Mum spent £30.00 in total. How many t-shirts and jogging bottoms did your Mum buy?



Empty dotted box for writing the answer to question 3.

4. You then decide to go to the café for lunch.



a. You and your Mum order 2 portions of tomato pasta, 2 chocolate cakes and 2 orange juices. How much does this cost?

Empty dotted box for calculation.

b. Your Mum has 2 vouchers. You're only allowed to use 1 voucher. Which discount saves you the largest amount of money?



5. Then you both go to the card shop to buy a birthday card for your friend for 69p.



You have some coins in your purse. Estimate how much you have in your purse. Do you have enough money?

Empty dotted box for estimation.

6. It's a warm day and you fancy an ice cream. You have 1 scoop with a flake. Your Mum has 2 scoops with raspberry sauce. You pay the shopkeeper £5.00. How much change do you get?



Empty dotted box for answer to question 6.

7. Finally, you and your Mum go to the toy shop to spend money your granny gave you for your birthday. The shop is selling everything half price. The table below shows everything you bought.

Toy	Sale price	Full price
Book	£3.40	
Felt tips	£2.50	
Lego set	£7.20	
Drawing set	£4.00	

- a. Complete the table
b. How much do you pay?

Empty dotted box for answer to question 7b.

- c. How much would you have paid if they were full price?

Empty dotted box for answer to question 7c.

Optional extension activity

Can you work out how much your Mum spent altogether on the shopping trip? Your Mum budgeted to spend £50.00. Did she spend too much?

Note: Don't add what was spent in the toy shop as this was your birthday money.

A large rectangular area with a dotted blue border, intended for the student to write their answer to the problem.



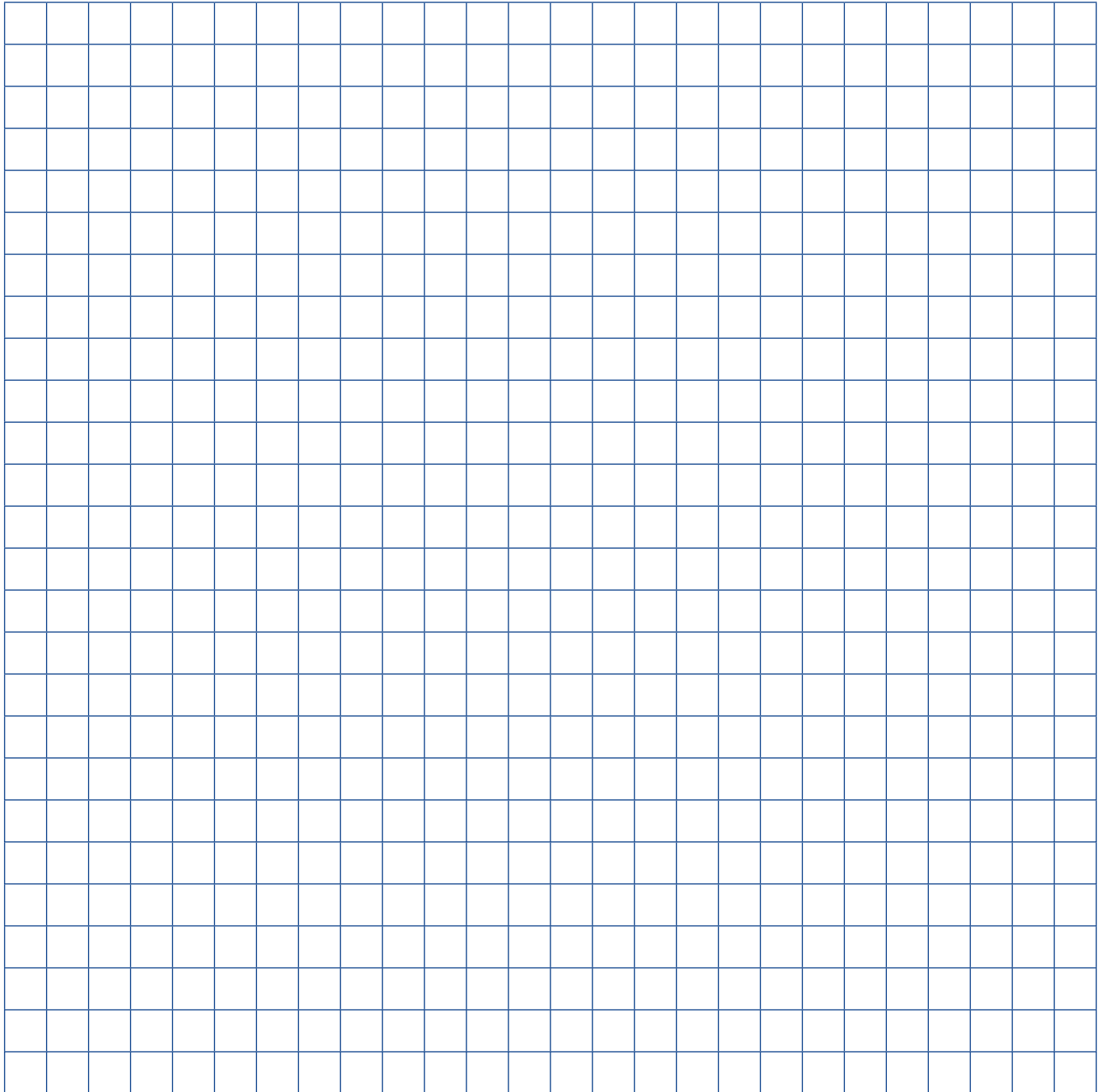
Year 4 - Perimeter and area

Quiz sheet

Quiz sheet					
	Guess which has the longest perimeter		Calculate which has the longest perimeter		Correct?
1	Tennis court	Volleyball court	Tennis court	Volleyball court	
2	Pool	Gym	Pool	Gym	
3	Moonlight Restaurant	Sunshine Cafe	Moonlight Restaurant	Sunshine Cafe	
4	Wasps	Spiders	Wasps	Spiders	
	Guess which has the largest area		Calculate which has the largest area		Correct?
5	Frank Whittle room	Lady Godiva room	Frank Whittle room	Lady Godiva room	
6	Deluxe room	Luxurious room	Deluxe room	Luxurious room	
7	Sunshine bar	Moonlight bar	Sunshine bar	Moonlight bar	
8	East car park	West car park	East car park	West car park	

Optional extension activity

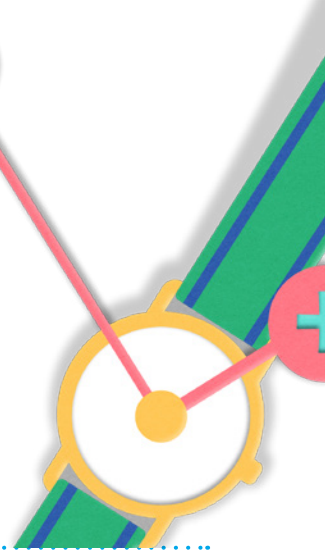
On squares below create the word Arena. How many squares make up each letter? How many squares made up the word?



Year 4 - Time

What time is it?

It's your first day working at the Coventry Watch Museum and you're keen to impress your manager. Your day will involve using time to solve problems. Can you solve all the problems and impress your manager?

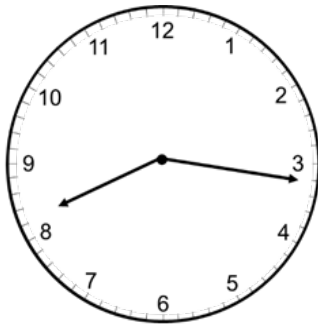


Getting to work

The clocks below show the time you left your house and the time you got to work.

Enter the times you left for work and arrived at work in the boxes.

Time left house



Time arrived at work



How long did it take to get to work?

Room codes

You get to work and meet your new manager. To get into some rooms you need to enter a door code. Your manager gives you clues for each code.

Can you solve the clues below and workout the codes for each room?

The tea room:

- The first number of the code is the number of months with 30 days in them.
- The last 3 numbers in the code are 1 minute 47 seconds in seconds.

--	--	--	--

The watch repair room:

- The first 2 numbers of the code are the number of weeks and days in June and July.
- The last 3 numbers of the code are 2 minutes 7 seconds in seconds.

--	--	--	--	--

The toilet:

- The first 2 numbers of the code are the number of weeks and days in January and February (when a non-leap year).
- The last 2 numbers are the number of months in 1 year 10 months.

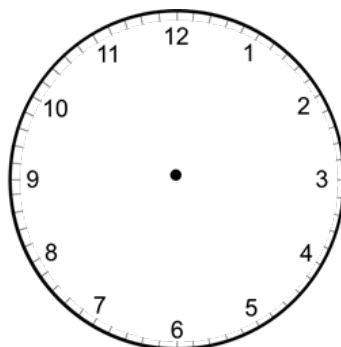
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Fix the clock

Your manager shows you the time on his digital watch which is in 24 hour time. The clock in the room you work has stopped.

Can you set it to the correct time by drawing the hands on the blank analogue clock below?

09:50

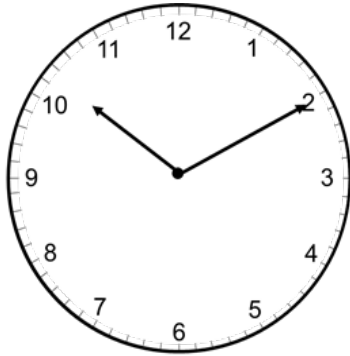


How long do the visitors stay?

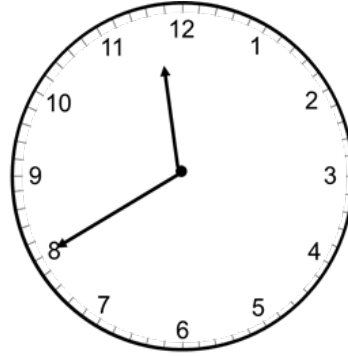
Your manager wants to know when people are arriving and how long they stay in the museum. The museum is open from 9am to 5pm.

1. Below shows the times 4 families arrived at the museum. Your manager wants to know what time they arrived on the 24-hour clock, enter this under each clock below.

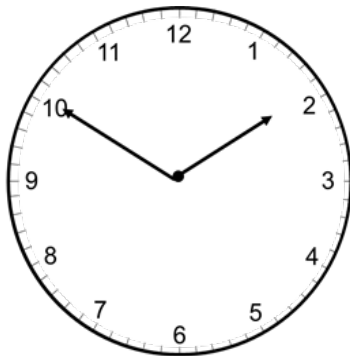
The Jones Family



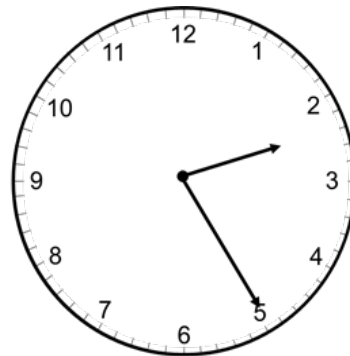
The Patel Family



The Green Family



The Smith Family



2. Another employee has filled in some of the information on how long each family spent at the museum and when they left.

First enter the times each family arrived as found in question 1, then fill out the rest of the table.

Family	Time arrived	Time left	How long?
Jones			1 hour 5 minutes
Patel		12:35	
Green		14:35	
Smith			35 minutes

How long people work there?

Your manager has asked you to find out how long 3 employees have worked at the museum. You ask each one and their responses are as follows:

Jane says “I have worked here for 5 years and 3 months.”

Dave said “I have worked here 1 year and 9 months less than Jane.”

James said “I have worked here 2 years and 10 months longer than Jane.”

Enter below how long each employee has worked at the watch museum.

Jane

Dave

James

Home time

It's home time and it's raining. You ring your friend to come and pick you up. She says she'll be there in 25 minutes. You look at the clock, the time is shown below.

What time should your friend arrive?



Optional extension activity

6 private jets are flying from Coventry Airport today, and the timetable is given below.

Can you complete the table below to fill in the missing departure times, arrival times and flight durations?

Destination	Time departs	Time arrives	Flight duration
Edinburgh	09:15	10:30	
Paris	10:05		1 hour 20 minutes
Brussels		12:25	1 hour 10 minutes
Southampton	11:55		30 minutes
London		13:35	25 minutes
Amsterdam	14:25	15:40	

Year 4 - Statistics

Breaking news

It's the end of the 2020 football season and you're a roving news reporter with The Coventry Evening Telegraph. Your task is to investigate Coventry City Football Club's current performance over the last few seasons, and create a news report about your findings.

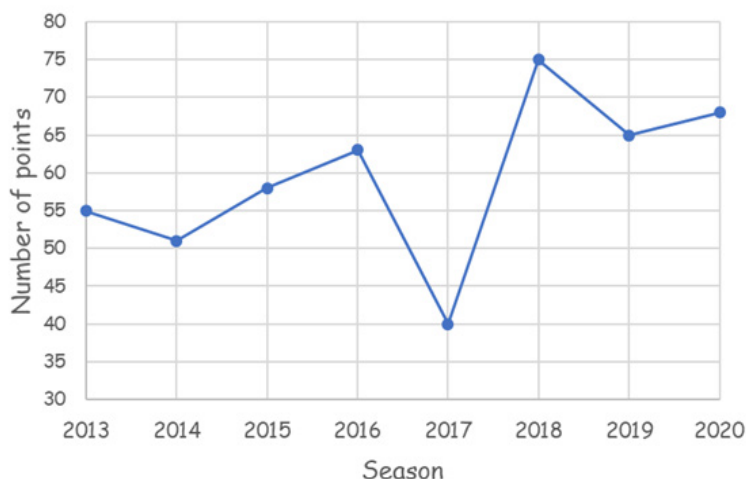
Task 1

Before creating the news report, you need to investigate the data you've been given.

Look at the line graph and table below and answer the following questions.

1. The line graph below shows the total number of points scored by Coventry City Football Club for the last 8 football seasons.

Number of points scored at the end of the season



- a. In which season did they only score 40 points?

- b. Between which years have they scored over 65 points?

2. The table below shows the number of goals scored by the top 5 highest scoring players for the 2019-2020 season.

Score	Goals scored
Dwayne Rooney	15
Harry Linker	12
Mohammed Maradonna	7
Ethan Messy	5
Samuel Beckham	4

- a. How many more goals did Dwayne Rooney score than last season's leading goal scoring Mohammed Maradonna?

.....

- b. 67 goals were scored by Coventry City Football Club in the current season. How many goals were scored by the top 5 goal scorers altogether?

.....

Task 2

Below shows a tally chart of the number of appearances for the top 5 goal scorers for this season.

1. Use the newspaper report template to create a bar chart showing the number of times the top 5 goal scorers have played this season. Make sure you choose an appropriate scale for your chart and give your chart a title and label both axis.

Tally chart showing the number of times the top 5 goal scorers have played

Dwayne Rooney	
Harry Linker	
Mohammed Maradonna	
Ethan Meesy	
Samuel Beckham	

2. Which top goal scorer had made the most appearances and how many times did he play in the 2019–2020 season?

.....

Task 3

Complete the newspaper report by creating a catchy headline and use your answers in Tasks 1 and 2 to create a short summary of Coventry City Football Club's current performance and performance over the last few seasons.

An example of a sentence you could write in your report could be 'Since having a dip in performance in _____ they have continually scored over 65 points in a season.'

Optional extension activity

The 2 pictograms below show the total number of games won, drawn and lost for Coventry City Football Club's rival team for this season and last season. For a win they score 3 points, a draw they score 1 point and they get 0 points if they lose. Can you calculate the number points they scored this season and last season? How many more points did they score this season compared to last season?

Pictogram to show the number of games won, drawn and lost this season



They scored points.

Pictogram to show the number of games won, drawn and lost last season



They scored points in the last season.

They scored more points in this season than last season.

Year 4 - Properties of shapes

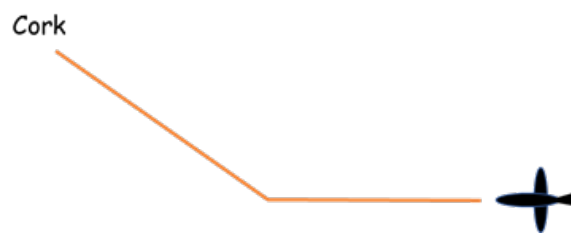
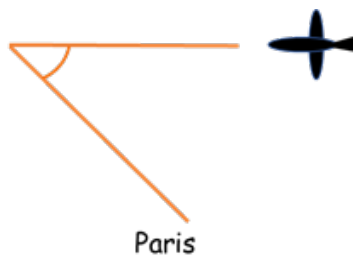
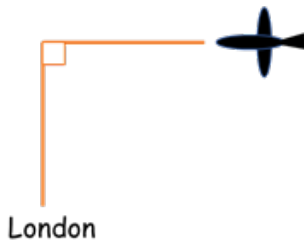
Shapes at the airport

You have a day's work experience at Coventry Airport. During the day you'll need to help out at different parts of the airport by solving some shape related puzzles.

Air traffic control

6 planes are taking off from Coventry Airport this morning. Once they take off, all 5 planes turn in the direction of their destination. The diagrams below show the angle between the take-off direction and the planes destination. Can you:

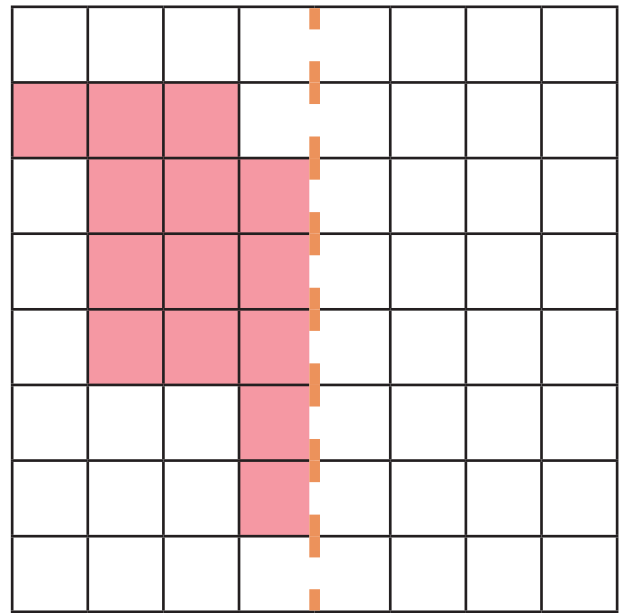
1. Order the angles from smallest to largest?
2. Enter in the boxes whether each angle is acute, a right-angle or an obtuse angle.



Extending the passenger terminal

The airport wants to make the passenger terminal larger. The floor plan of the passenger terminal is as shown. The terminal is to be extended by reflecting its current floor plan. Can you create the shape of new part of the terminal by reflecting the shape of the floor plan below along the mirror line?

Mirror line



Lost-property

Below shows shapes of things you would find around the airport. In the box underneath each shape write the number of lines of symmetry each shape has.

A luggage ticket



Cross on a first aid kit



A rectangular plane ticket



A trapezium luggage bag



A watch face



A parallelogram lock



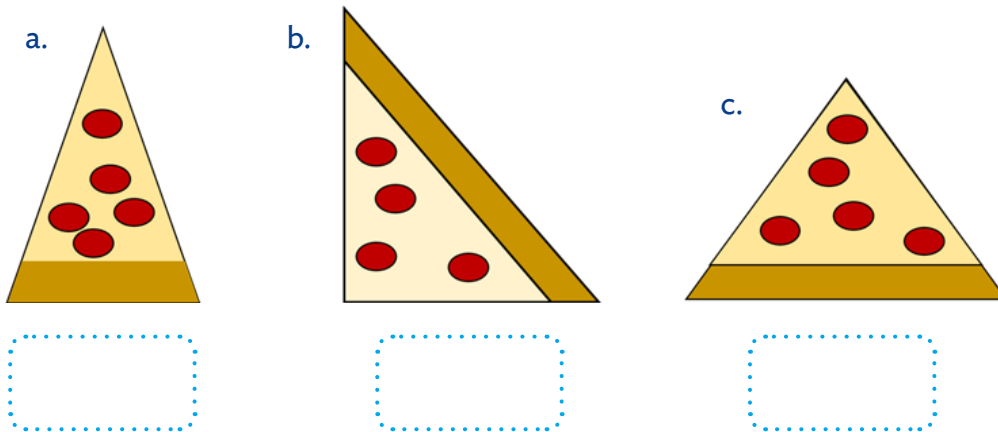
In-flight catering

Pizza

A pilot and crew have ordered some pizza slices for the flight. The pizza slices have been cut into different triangle pieces, which are shown below. Can you match the clues to each triangle?

Clues

1. One of the angles for this triangle is a right-angle.
2. This triangle has sides which are all the same length and angles which are all the same size.
3. This triangle has 2 sides which are the same length and 2 angles which are the same size.

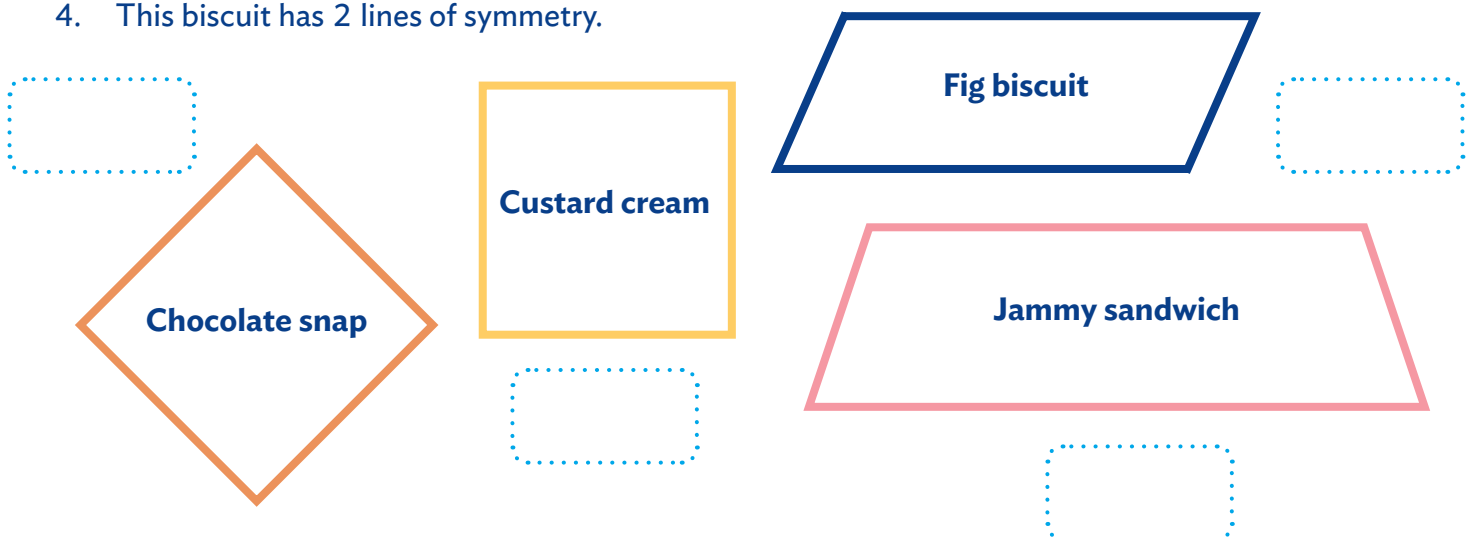


Biscuits

Below are some biscuits in the airport café which are different shapes. Can you match the clues to each shape?

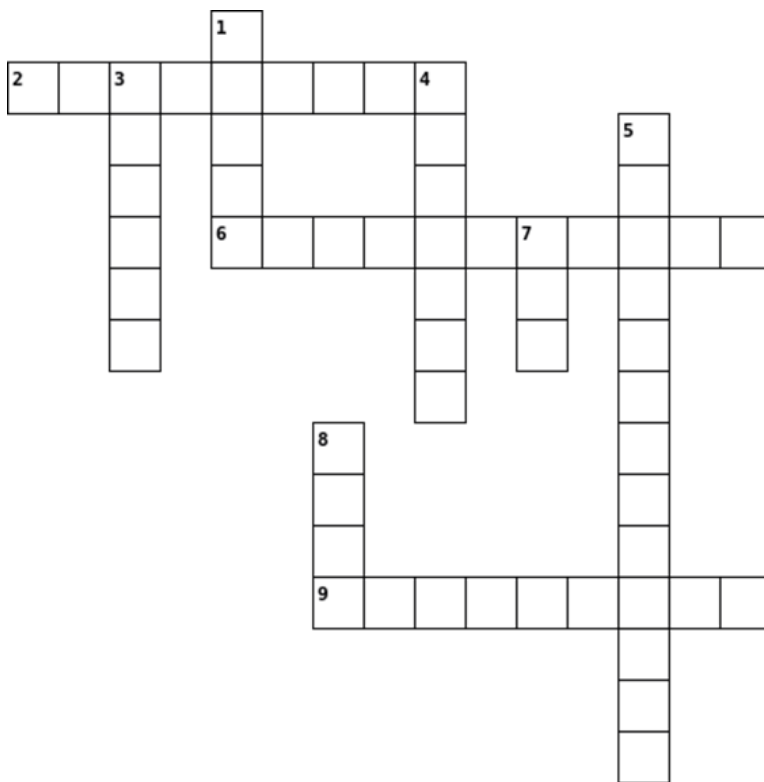
Clues

1. This biscuit has 2 pair of parallel lines and 2 pairs of equal sides.
2. This biscuit has all equal sides and angles.
3. This biscuit has one pair of parallel lines and 1 pairs of equal sides.
4. This biscuit has 2 lines of symmetry.



Dinner break

It's your dinner break and you find a crossword on shapes in the staff room. Can you solve the clues to the crossword below?



Across

2. A type of triangle which has two equal sides and angles.
6. A type of triangle where all three sides are of equal length.
9. This shape consists of 4 right angles, but all 4 sides are not of equal length.

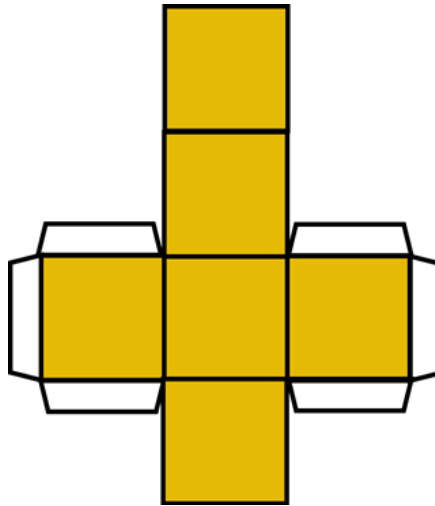
Down

1. An angle less than a right-angle is called this.
3. An angle more than a right-angle is called this.
4. A triangle where all three sides are different lengths.
5. This four sided shape has 2 pairs of equal sides and 2 pairs of equal angles.
7. A rhombus has this number of lines of symmetry.
8. A square has this number of lines of symmetry.

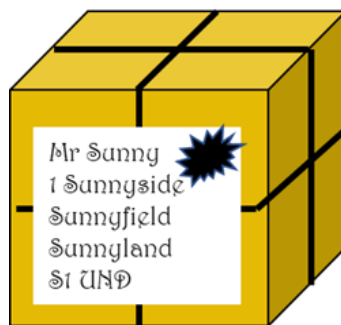
Optional extension activity

Your task is to create a parcel which is shaped like a cube. Follow the instructions below.

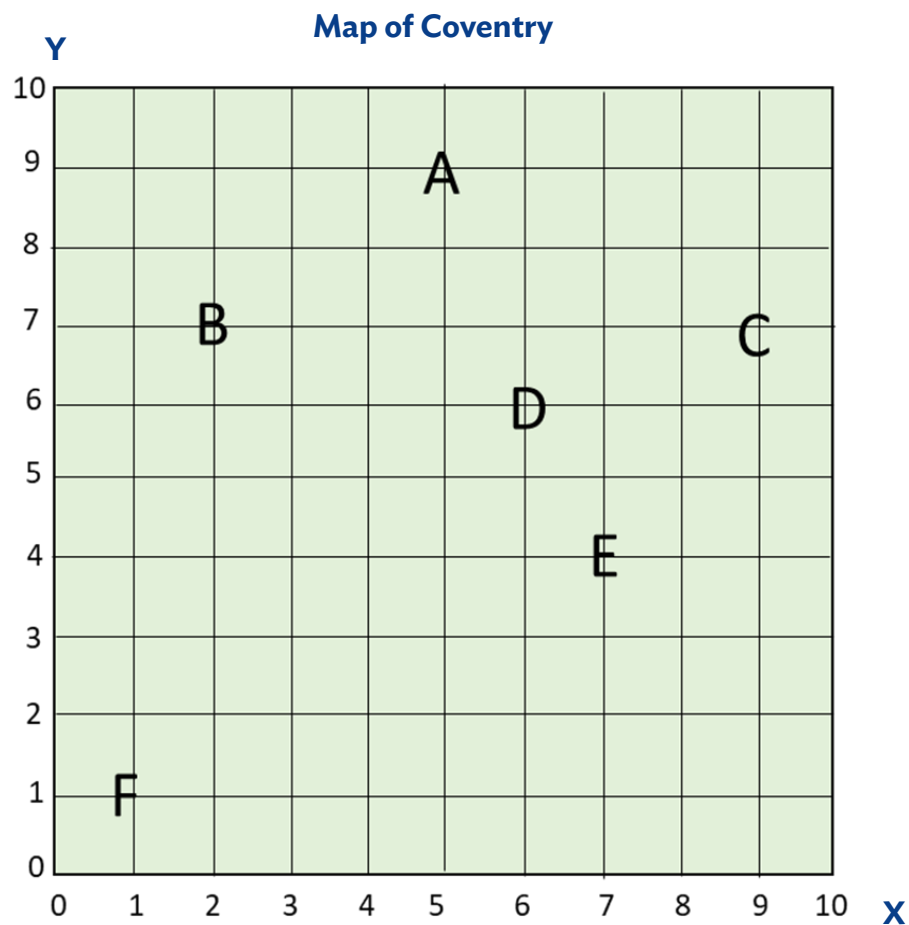
1. Draw the net of a cube. Include flaps so you can stick it with glue. The net should look like this.



2. Then, colour it in to make it look like a parcel.
3. Then cut out and fold to make it look like a parcel. As shown below.



Year 4 - Position and direction



The search for Lady Godiva worksheet

Task 1

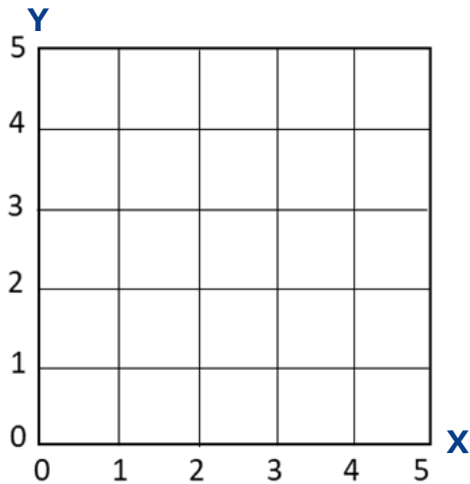
Finding your location

Letter	Coordinates	Place
A		
B		
C		
D		
E		
F		

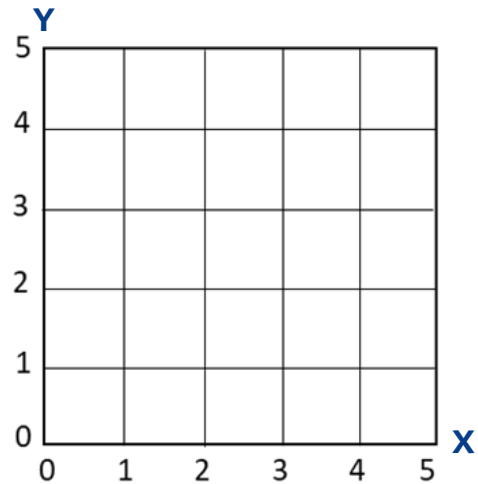
Task 2

Your friend's location

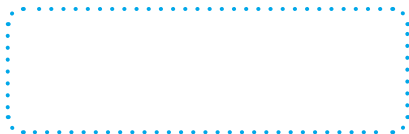
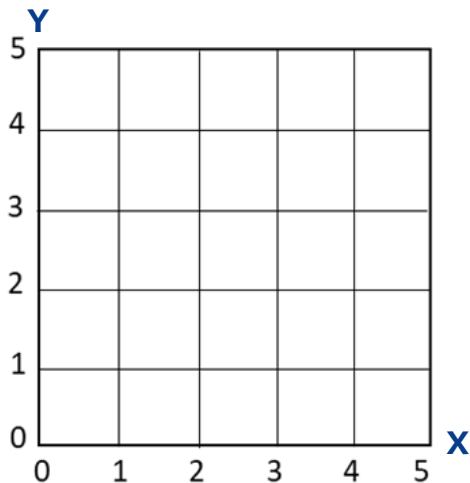
1. Plot the 3 coordinates $(1,1)$, $(3,1)$, $(3,4)$ on the grid below. Plot a coordinate to make this a rectangle. What are the coordinates of this point?



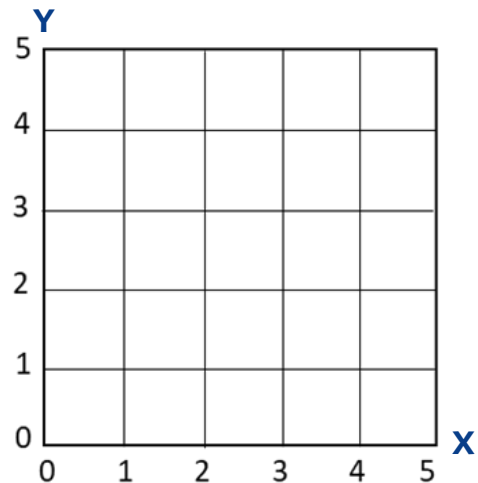
2. Plot the 3 coordinates $(1,2)$, $(4,5)$, $(4,2)$ on the grid below. Plot a coordinate to make this a square. What are the coordinates of this point?



3. Plot the 3 coordinates $(3,4)$, $(2,3)$, $(3,1)$ on the grid below. Plot a coordinate to make this a kite. What are the coordinates of this point?



4. Plot the 3 coordinates $(0,3)$, $(3,3)$, $(4,5)$ on the grid below. Plot a coordinate to make this a parallelogram. What are the coordinates of this point?



Task 3

Journey to Coventry Building Society

Triangles to translation	Translation
Green triangle to the red triangle	
Red triangle to the blue triangle	
Blue triangle to the yellow triangle	

Task 4

Direct your friend to the Coventry Building Society.

Describe the translation of friend's location to the building society?

Task 5

Travel to Lady Godiva statue.

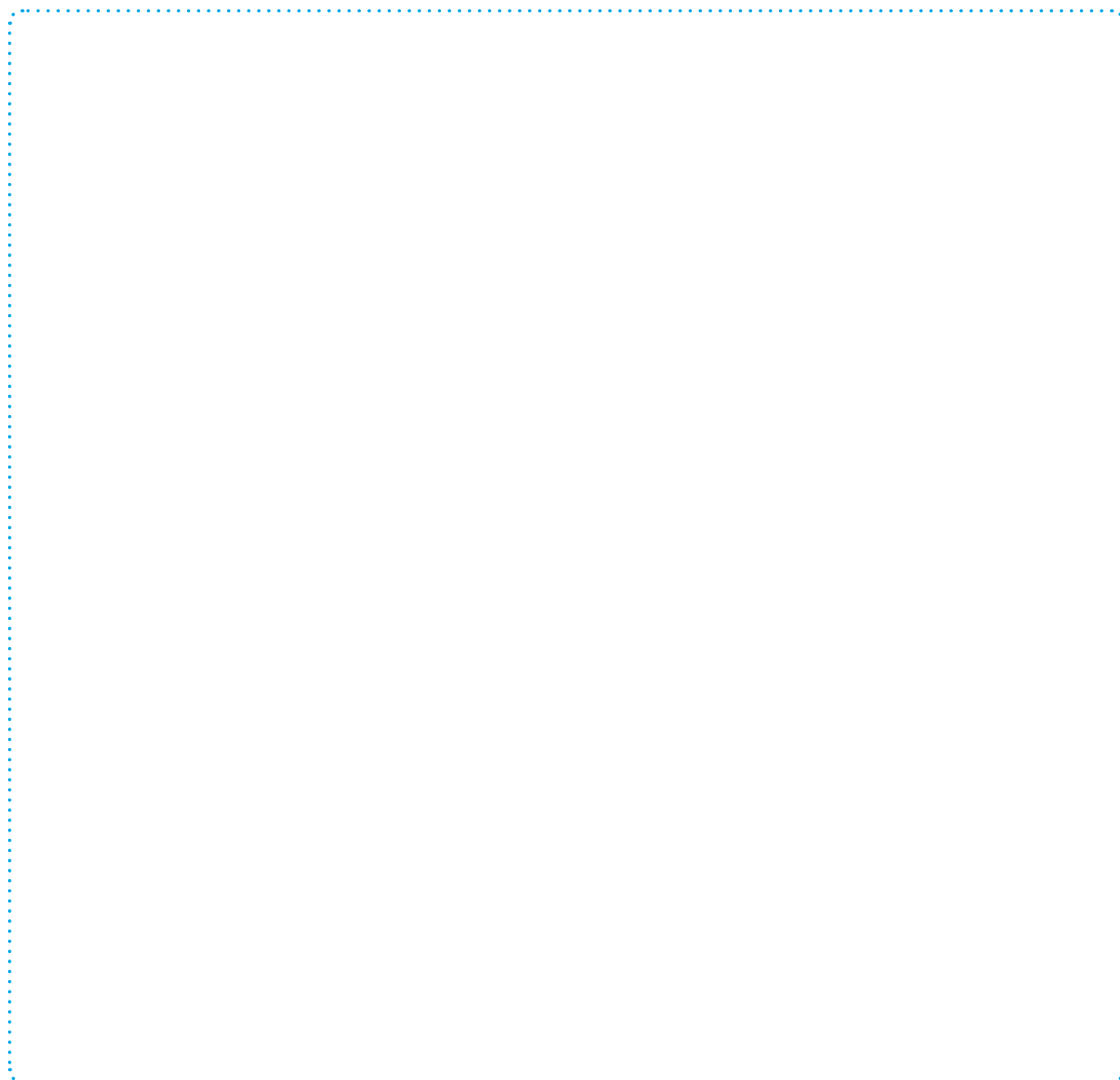
The coordinates for the Lady Godiva statue are

Optional extension activity

Draw your own map. This could be around the school or near where you live. Plot points of interest and write down the coordinates.

Then create a route on your map going through the points of interest and describe the translations between each point on your route.

An example could be a map of your local area including your house and different trees and a lake. You could then plot a route starting at your house, then you go to the large oak tree, then the lake, then the playground and back to your house.





Kindness changes lives

We're passionate about making a real difference to the lives of young people in and around Coventry. That's why we work with local schools to help support children's education.

All together, better