



# Year 6 Christmas Activity Booklet





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# Translate Christmas Coordinates

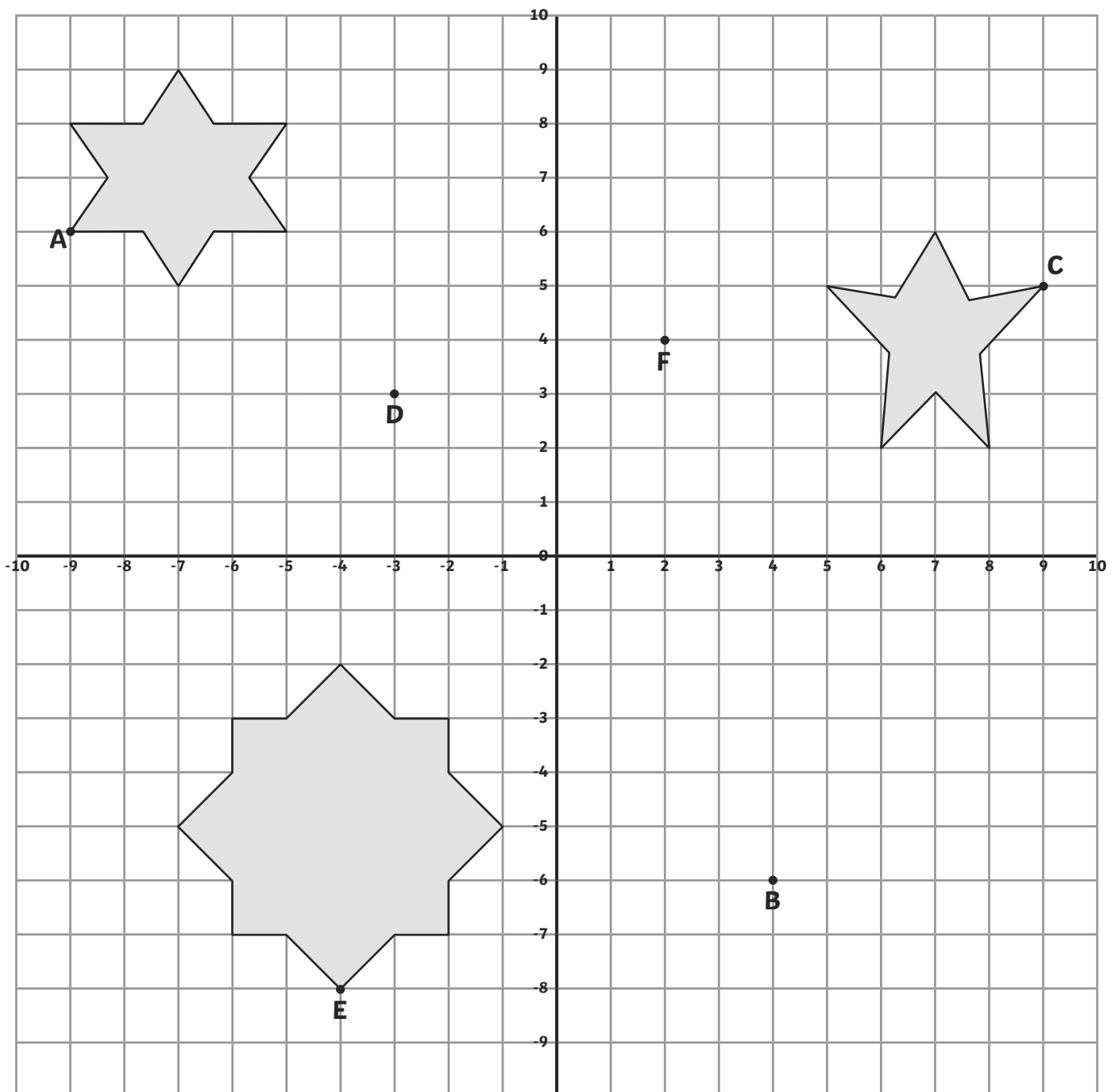


Translate each star so that points:

A → B:

C → D:

E → F:

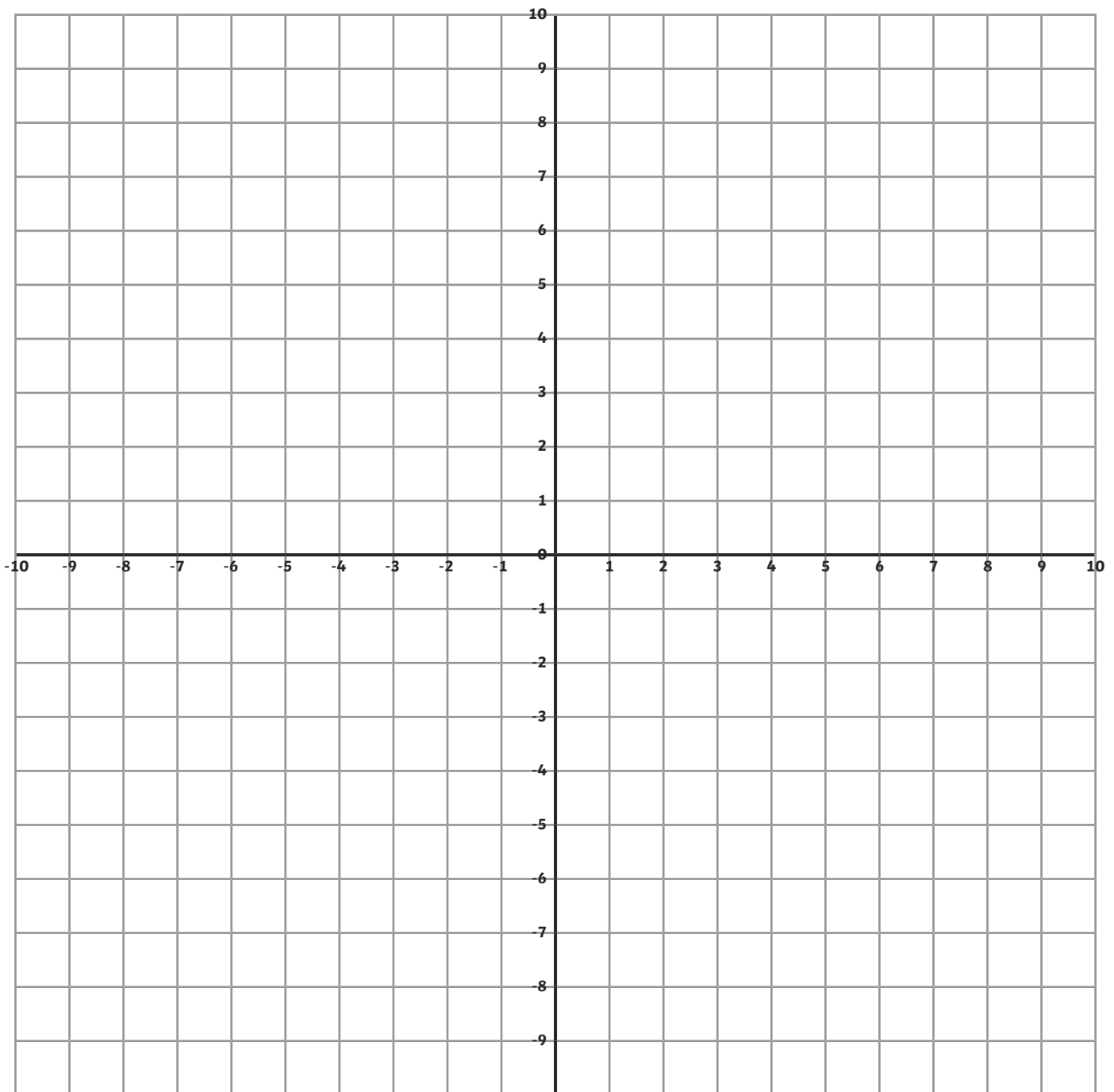


# Translate Christmas Coordinates



On this coordinates grid, draw some stars and label one point of the star with a letter A, C, E and G. Make sure you put each point of the star on a grid intersection and that you use a ruler. (It doesn't matter whether the stars are symmetrical or not.)

Write the letters B, D, F and H on the grid to which the stars must be translated. (A to B, C to D, E to F, G to H).



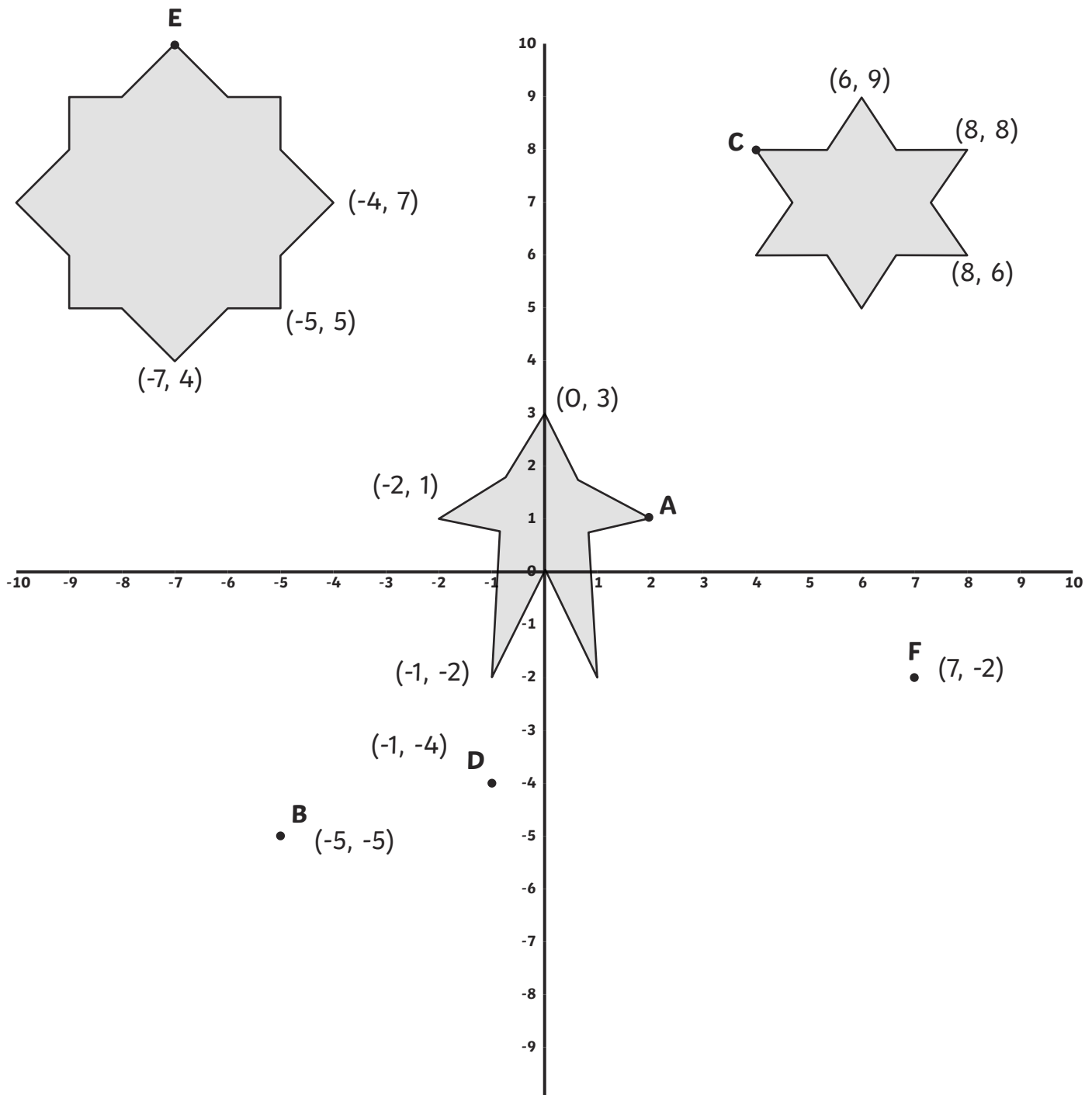
# Translate Christmas Coordinates



Calculate the coordinates at points A, C and E.

Translate each star so that point A translates to B, C to D and E to F.

Write the coordinates of all the points of the translated stars.

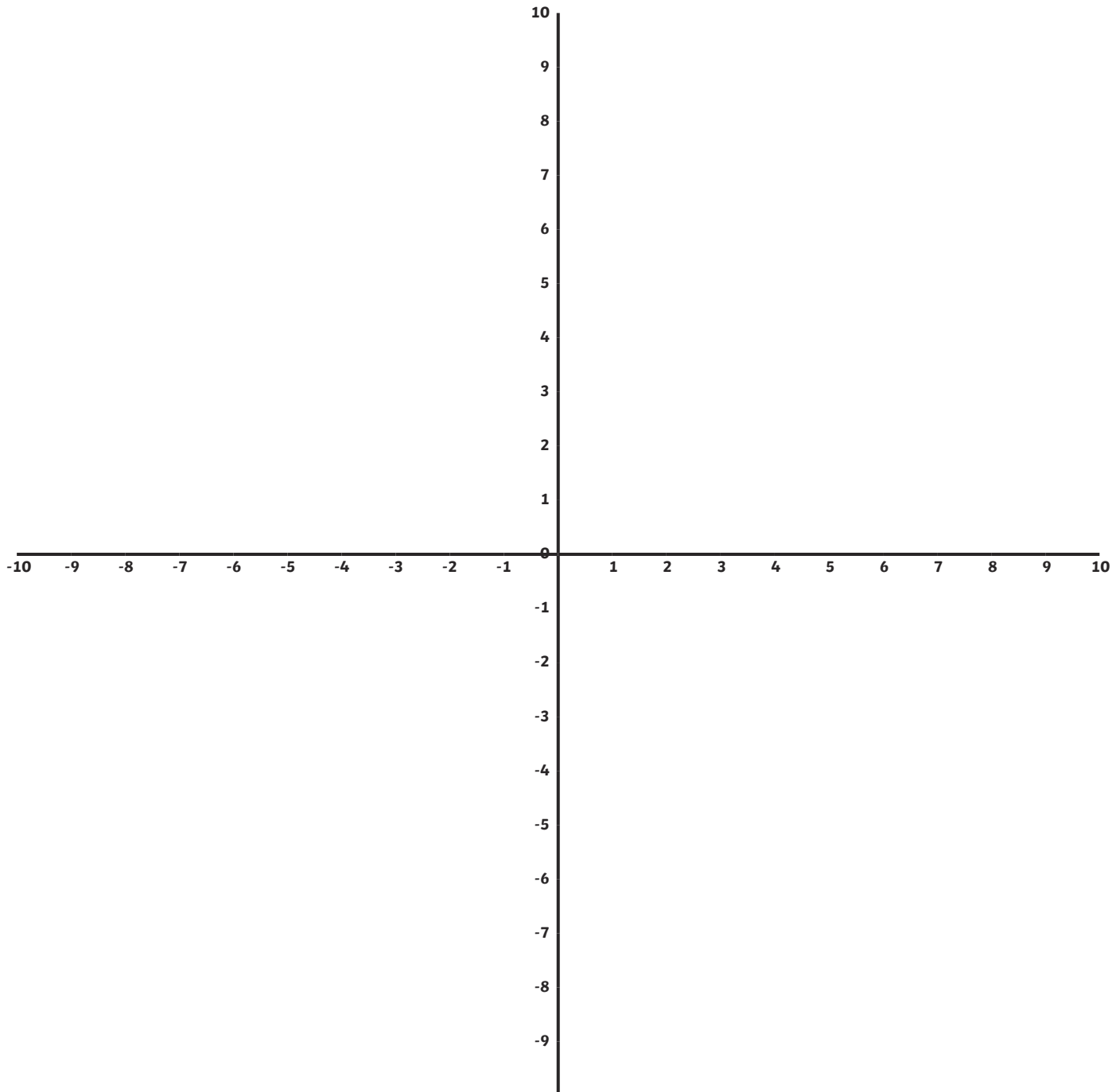


# Translate Christmas Coordinates



On this blank coordinates grid, draw some stars and label one point of the star with a letter A, C, E and G. Write all the coordinates of the points of your stars.

Draw new points and label B, D, F and H on the grid to which the stars must be translated. (A to B, C to D, E to F, G to H)

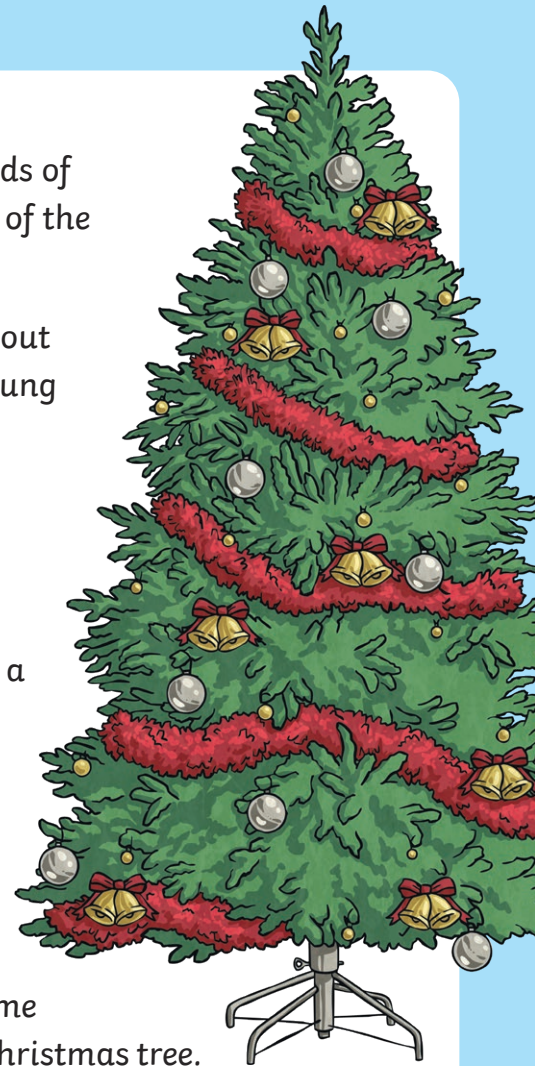




# Christmas Tree Code Breaker

## Amazing Christmas Tree Stories

- Trees have been used to celebrate winter festivals for thousands of years. Branches are used to decorate homes to remind people of the spring to come.
- Trees may have first been used by Christians at Christmas about a thousand years ago in Northern Europe, where they were hung upside down from the ceiling using chains.
- Other flowering trees were sometimes brought inside at Christmas so they might flower.
- The first decorated tree was about 500 years ago, either in Estonia or Latvia, put up by the 'Brotherhood of Blackheads', a group of unmarried merchants, ship owners and foreigners.
- Christmas trees were introduced in Britain in the 1830s and were made popular by Prince Albert, Queen Victoria's husband.



## Challenge

Solve maths calculations on the following pages to spell out some Christmas tree decorations, Christmas words and varieties of Christmas tree.

A	B	C	D	E	F	G	H	I	J	K	L	M
25	5	3	10	24	17	9	16	1	19	23	6	15

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
21	26	22	2	11	18	12	4	8	20	7	14	13

You might also want to find out about:

How Christmas trees are used to celebrate Christmas in different countries.

Some of the historical characters who are involved in the story of the Christmas tree.



# Christmas Tree Code Breaker Tree Challenge

1.	Answer	Letter
$900 \div 100$		
$110 \div 10$		
$2400 \div 100$		
$0.024 \times 1000$		
$0.21 \times 100$		
$0.18 \times 100$		
$220 \div 10$		
$0.11 \times 100$		
$4000 \div 1000$		
$0.03 \times 100$		
$2400 \div 100$		

Tree: \_\_\_\_\_

3.	Answer	Letter
$210 \div 10$		
$0.26 \times 100$		
$0.5 \times 10$		
$600 \div 100$		
$0.24 \times 100$		
$170 \div 10$		
$100 \div 100$		
$1.1 \times 10$		

Tree: \_\_\_\_\_

2.	Answer	Letter
$2100 \div 100$		
$2600 \div 100$		
$0.11 \times 100$		
$1000 \div 100$		
$0.15 \times 100$		
$250 \div 10$		
$2.1 \times 10$		
$0.17 \times 100$		
$0.1 \times 10$		
$1100 \div 100$		

Tree: \_\_\_\_\_

4.	Answer	Letter
$1.6 \times 10$		
$0.025 \times 1000$		
$2000 \div 100$		
$1.2 \times 10$		
$160 \div 10$		
$2600 \div 100$		
$0.011 \times 1000$		
$0.021 \times 1000$		

Tree: \_\_\_\_\_





# Christmas Tree Code Breaker Tree Challenge

5.

	Answer	Letter
$0.6 \times 10$		
$260 \div 10$		
$0.1 \times 100$		
$0.9 \times 10$		
$2.4 \times 10$		
$0.22 \times 100$		
$0.026 \times 1000$		
$60 \div 10$		
$24\ 000 \div 1000$		
$2200 \div 100$		
$0.01 \times 100$		
$2100 \div 100$		
$2400 \div 100$		

Tree: \_\_\_\_\_

6.

	Answer	Letter
$300 \div 100$		
$0.16 \times 100$		
$0.024 \times 1000$		
$110 \div 10$		
$0.11 \times 100$		
$140 \div 10$		

Tree: \_\_\_\_\_





a	b	c	d	e	f	g	h	i	j	k	l	m
1	2	3	4	5	6	7	8	9	10	11	12	13
n	o	p	q	r	s	t	u	v	w	x	y	z
14	15	16	17	18	19	20	21	22	23	24	25	26

1. Why would a mushroom be a great guest at a Christmas party?

$(8-0)$   $(1 \times 5)$   $(8+11)$

$(10 \div 10)$

$(3+3)$   $(7 \times 3)$   $(20-6)$   $(14 \div 2)$   $(27 \div 3)$

2. What do you call a gigantic polar bear?

$(6+8)$   $(3 \times 5)$   $(20-0)$   $(20-12)$   $(21-12)$   $(2 \times 7)$   $(14 \div 2)$

$(5 \times 5)$   $(3 \times 5)$   $(12+9)$

$(21-3)$   $(3+18)$   $(3+11)$

$(3 \div 3)$   $(30-7)$   $(1 \times 1)$   $(31-6)$

3. Why is Rudolph good at quizzes?

$(4 \times 2)$   $(25 \div 5)$

$(28 \div 2)$   $(150 \div 10)$   $(6+13)$   $(45 \div 9)$

$(29-28)$

$(3 \times 4)$   $(35-20)$   $(35-15)$



4. Where did Frosty the Snowman meet his wife?

$(121-120)$ ,  $(120-100)$

$(121-101)$   $(2 \times 4)$   $(14-9)$

$(4+15)$   $(3+11)$   $(3+12)$   $(83-60)$   $(2 \times 1)$   $(1+0)$   $(48 \div 4)$   $(31-19)$



a	b	c	d	e	f	g	h	i	j	k	l	m
1	2	3	4	5	6	7	8	9	10	11	12	13
n	o	p	q	r	s	t	u	v	w	x	y	z
14	15	16	17	18	19	20	21	22	23	24	25	26

5. What do you get if you cross an archer and a gift wrapper?

$(2 \times 10 - 2)$   $(3 \times 3)$   $(200 \div 100)$   $(18 \div 9)$   $(30 - 15)$   $(7 \times 2)$

$(28 - 20)$   $(3 \times 5)$   $(100 - 85)$   $(20 \div 5)$

6. Where does Santa sleep when travelling?

$(27 \div 3)$   $(36 - 22)$

$(10 \div 5 - 1)$

$(16 \div 2)$   $(82 - 80 + 13)$

$(24 \div 3)$   $(120 - 105)$

$(2 \times 4)$   $(24 - 14 + 5)$   $(100 \div 5)$   $(35 \div 7)$   $(3 \times 4)$

7. What do you call a rich elf?

$(16 + 16 - 9)$   $(1 \times 5)$   $(2 + 2 + 2 + 2 + 2 + 2)$   $(2 \times 3)$   $(50 \div 2)$

8. What do ducks do at their Christmas dinner?

$(4 \times 4)$   $(3 \times 7)$   $(24 - 12)$   $(48 \div 4)$

$(3 \times 3 + 8)$   $(13 + 8)$   $(119 - 118)$   $(18 \div 6)$   $(39 - 20 - 8)$   $(30 \div 6)$   $(19 + 20 - 21)$   $(40 \div 2 - 1)$

9. What beats its chest and swings from Christmas cake to Christmas cake?

$(326 - 306)$   $(3 \div 3)$   $(3 \times 6)$   $(79 - 53)$   $(45 \div 5)$   $(4 \times 4)$   $(200 - 199)$   $(28 \div 2)$



# Ho! Ho! Ho!



Do each calculation in the order that you read it.

a	b	c	d	e	f	g	h	i	j	k	l	m
1	2	3	4	5	6	7	8	9	10	11	12	13
n	o	p	q	r	s	t	u	v	w	x	y	z
14	15	16	17	18	19	20	21	22	23	24	25	26

10. What do you get if you cross a Christmas tree with an iPad?

$(200 \div 25 - 7)$

$(3 \times 3 + 7)$   $(28 \div 7 + 5)$   $(7 \times 4 \div 2)$   $(120 \div 2 \div 12)$   $(389 - 80 - 300 - 8)$   $(48 \div 12 \times 4)$   $(32 \div 2)$   $(72 \div 6)$   $(135 - 126 - 4)$

11. What's red, white and blue at Christmas time?

$(392 - 91 - 300)$

$(3 \times 3 \times 2 + 1)$   $(288 - 45 - 242)$   $(2 \times 2)$

$(18 \div 6)$   $(20 - 20 + 1)$   $(7 + 7)$   $(32 \div 8)$   $(50 - 25)$

$(30 \div 10)$   $(30 \div 30)$   $(42 \div 3)$   $(45 \div 9)$

12. What did Jack Frost say to Frosty the Snowman?

$(72 \div 9)$   $(12 - 9 - 2)$   $(11 \times 2)$   $(60 \div 12)$

$(24 - 23)$   $(7 \times 3 - 7)$

$(27 \div 3)$   $(18 - 12 - 3)$   $(80 - 40 \div 8)$

$(100 \div 25)$   $(892 - 890 - 1)$   $(75 - 25 \div 2)$

13. What do you call an elf in the desert?

$(60 \div 5)$   $(842 - 827)$   $(301 - 299 + 17)$   $(300 \div 15)$

14. Which of the reindeer has the worst manners?

$(9 \times 2)$   $(3 \times 10 - 9)$   $(16 \div 4)$   $(2 \times 30 - 55)$

$(9 \times 3 - 12)$   $(2 \times 9 - 6)$   $(3 \times 11 - 17)$   $(24 \div 3)$





# Scaling Christmas Recipe Challenge Cards

1. Here are the ingredients for making chocolate sauce:

- 100g chocolate
- 120ml double cream
- 2 tbsp golden syrup

How much of the other ingredients are needed if a 250g bar of chocolate is used?

twinkl.com

2. Here are the ingredients for making a custard tart:

- 320g pastry
- 350ml double cream,
- 2 whole eggs,
- 4 egg yolks
- 125g caster sugar

How much of the other ingredients are needed if 700ml of double cream is used?

twinkl.com

3. Here are some of the ingredients for making a Christmas white chocolate traybake:

- 225g sugar
- 4 medium eggs
- 1 orange
- 2 tsp cinnamon
- 200g white chocolate, plus extra for grating
- 100g double cream

How much of the other ingredients are needed if 4 oranges are used?

twinkl.com

4. Here are the ingredients for making stollen muffins:

- 200g flour
- 50g almonds
- 1 tsp baking powder
- $\frac{1}{2}$  tsp cinnamon
- 100g marzipan
- 25g pistachios,
- 2 large eggs
- 125ml yogurt

How much of the other ingredients are needed if 150g of marzipan is used?

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# MojiMaths Christmas Challenge Activity



Each emoji represents a number. Work out the number each emoji represents. Find the answer to the final two calculations.

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1. 10% of   = 5



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2.  <sup>2</sup>  = 16

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3.   ×   = 200

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4.   ×   = 48

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5.   -   = 88

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6.   +   +   = 72

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7.  <sup>3</sup>  = 125

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8.   ÷   = 25

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9.   ×   =

---

10. (  ×  ) +   =

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# Super Seasonal Sentences

Use your super sentence writing skills to create **formal sentences**. Look at the image, then create a sentence written in **formal speech** that makes sense.

You could include the subjunctive form.



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Now, use your super sentence writing skills to create **informal sentences**. Look at the image, then create a sentence written in **informal speech** that makes sense.

You could use a question tag.



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## What is Christmas?

Christmas is a religious holiday which celebrates the birth of the son of God, Jesus Christ, on the 25<sup>th</sup> December. Although it is a Christian holiday, it is actually one that derives from a lot of Pagan traditions.

## Celebrations

Christmas is celebrated by millions of people all over the world, Christian and non-Christian. It is a time of gathering with family and friends. There are some mostly universal traditions, such as decorating houses with lights, trees, candles and having a Christmas dinner. There are also some very unique traditions, specific to certain countries.

### Ireland

People light candles (often red and decorated with sprigs of holly) in the windows of their homes to act as a guide for Mary and Joseph to their place of rest.

### Russia

An old lady called Baboushka roams around giving presents to children to make up for the mistake of being too busy to guide the wise men to the baby Jesus in biblical times.

### Japan

Kentucky Fried Chicken (KFC) has become the nation's favourite dish for Christmas dinner; it is so popular that you need to make a reservation to eat there on Christmas day.

### France

The feast of St. Nicholas (6<sup>th</sup> December) is the main celebration, when St. Nick will ride around on his sleigh giving gifts to children.



# Christmas Around the World



## The Caribbean

People clean their house thoroughly before decorating for Christmas – they sometimes even repaint entire rooms!

## Spain

The children leave out hay-filled boots at night, so that, by Christmas morning, the hay will have been replaced with chocolates, presents or money.

## Slovakia

The head of the family will throw Loksa (bread, poppy seeds and water) up at the ceiling. The longer it stays glued to the ceiling, the better the crops will be.

1. What is Christmas the celebration of?

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2. Find two words or phrases linked to 'eating'.

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3. Who gives presents to children in Russia?  
How is this different to France?

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4. 'There are also some very unique traditions...'  
Tick the word closest in meaning to 'unique'.

same

individual

alone

strange

5. Which country would you most like to visit at Christmas time? Explain Why?

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# Joyful Gingerbread House

Use this picture as inspiration to carefully think about and write a short paragraph.

**Sentence 1:** Use a colon to mark the boundary between related independent clauses.

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**Sentence 2:** Include a sentence written in the active voice.

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**Sentence 3:** Include a relative clause.

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**Sentence 4:** Include a sentence written in the passive voice.

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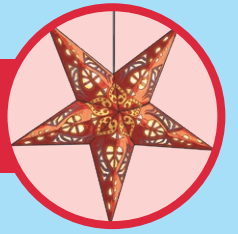
**Sentence 5:** End with a question tag.

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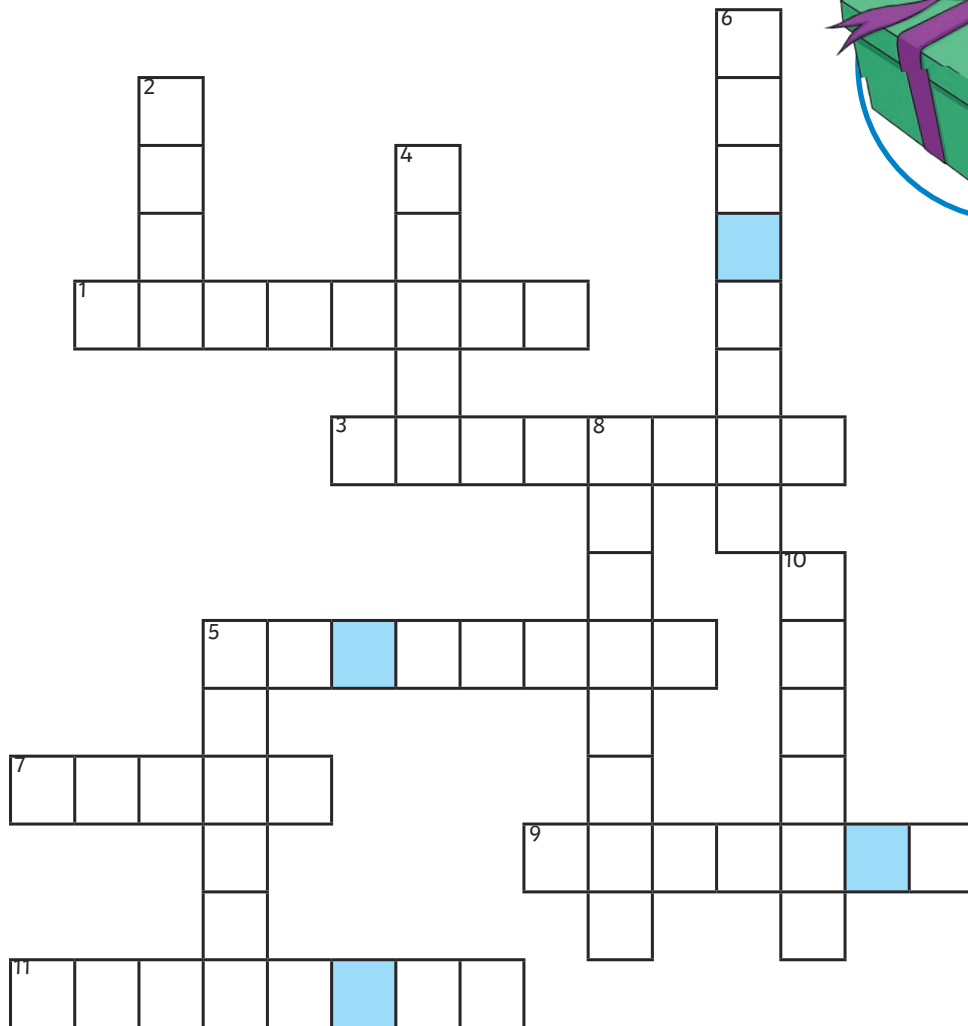
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# Christmas Crossword



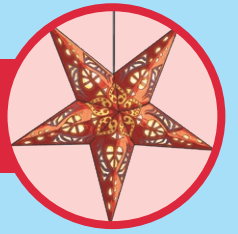
Solve the festive clues below and spell the words correctly to reveal the hidden word.



## Across

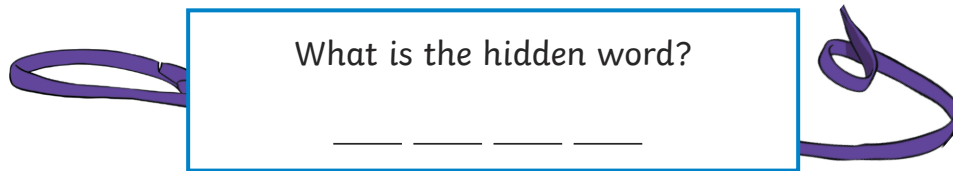
1. What you hope to find beneath the tree on Christmas morning.
3. The month that Christmas is celebrated in.
5. Hang one of these on your fireplace to be filled with presents.
7. Gabriel is one of these.
9. Santa sometimes uses this to enter your home.
11. Father Christmas is also known as Saint \_\_\_\_\_.

# Christmas Crossword



## Down

2. You may put one of these on top of your Christmas tree.
4. A type of pie popular at Christmas time.
5. The vehicle that Father Christmas rides in.
6. Rudolph, Prancer and Vixen are all this type of animal.
8. Some people go to church at this time on Christmas Day.
10. You open this type of calendar in the lead-up to Christmas.



What does the hidden word mean? Use a dictionary or research in your own way.

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# Festive Word Morphs


The Festive Word Morph game is about building word chains by changing one letter at a time. Use the clues to help you figure out the word which is only one letter different to the word above it. See if you can complete the chain to change the first word into the last word. An example has been done for you.




Something that doesn't cost any money is...

If you run away from something, you...

If you are happy, your face can light up with...




<b>t</b>	<b>r</b>	<b>e</b>	<b>e</b>
f	r	e	e
f	l	e	e
g	l	e	e
<b>g</b>	<b>l</b>	<b>u</b>	<b>e</b>



The past tense of 'go'.

I \_\_\_\_\_ to go and see Santa.

To breathe heavily in short, quick breaths.



<b>s</b>	<b>e</b>	<b>n</b>	<b>t</b>
<b>p</b>	<b>a</b>	<b>s</b>	<b>t</b>





# Festive Word Morphs



Another word for an elevator.

The opposite direction to right.

The past tense of the word 'lend'.

g	i	f	t
s	e	n	t



Something you can use to catch small animals.

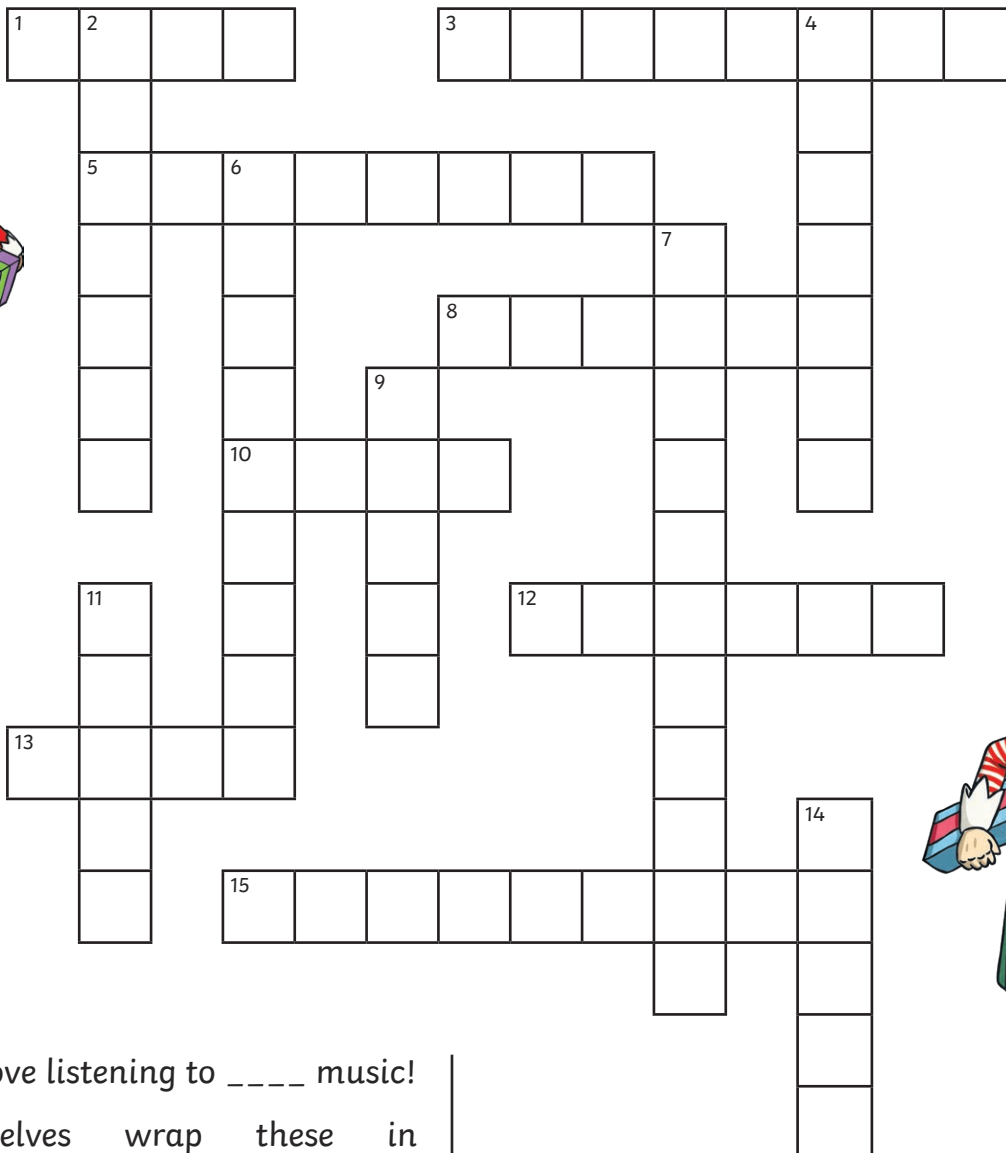
A piece of board which can be used to carry food and drinks on.

Something religious people do to communicate with their God.

w	r	a	p
p	l	a	y



# Christmas Elf Crossword



## Across

1. Elves love listening to \_\_\_\_\_ music!
3. The elves wrap these in Santa's workshop.
5. The elves' busiest month of the year.
8. The elves help to pack which of Santa's vehicles.
10. An elf's favourite type of weather.
12. An adjective to describe an elf's hat.
13. Elves are good listeners because of the size of their big \_\_\_\_\_.
15. An adjective to describe an elf's size.

## Down

2. The elves' favourite reindeer.
4. The elves have a \_\_\_\_\_ or nice list.
6. The elves' favourite religious festival.
7. An adjective to describe an elf's personality.
9. Santa's elves live in the \_\_\_\_\_ Pole.
11. Many male elves have which hairy facial feature?
14. Elves have these on the end of their toes.



# Easy Mince Pies

(Makes about 24 small mince pies)

## Ingredients

- 225g plain flour (and a little extra for kneading)
- A pinch of salt
- 100g butter or margarine
- 2 tbsp cold water
- 175g mincemeat

(For an even easier recipe you could use ready-made pastry!)

## Equipment

- Cooking aprons
- Mixing bowl
- Sieve
- A circle and small Christmas shaped pastry cutters
- Rolling pin
- Mixing spoon
- Teaspoon
- Tablespoon
- Cupcake tins

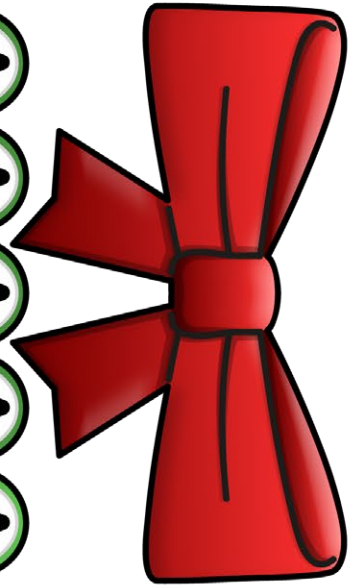
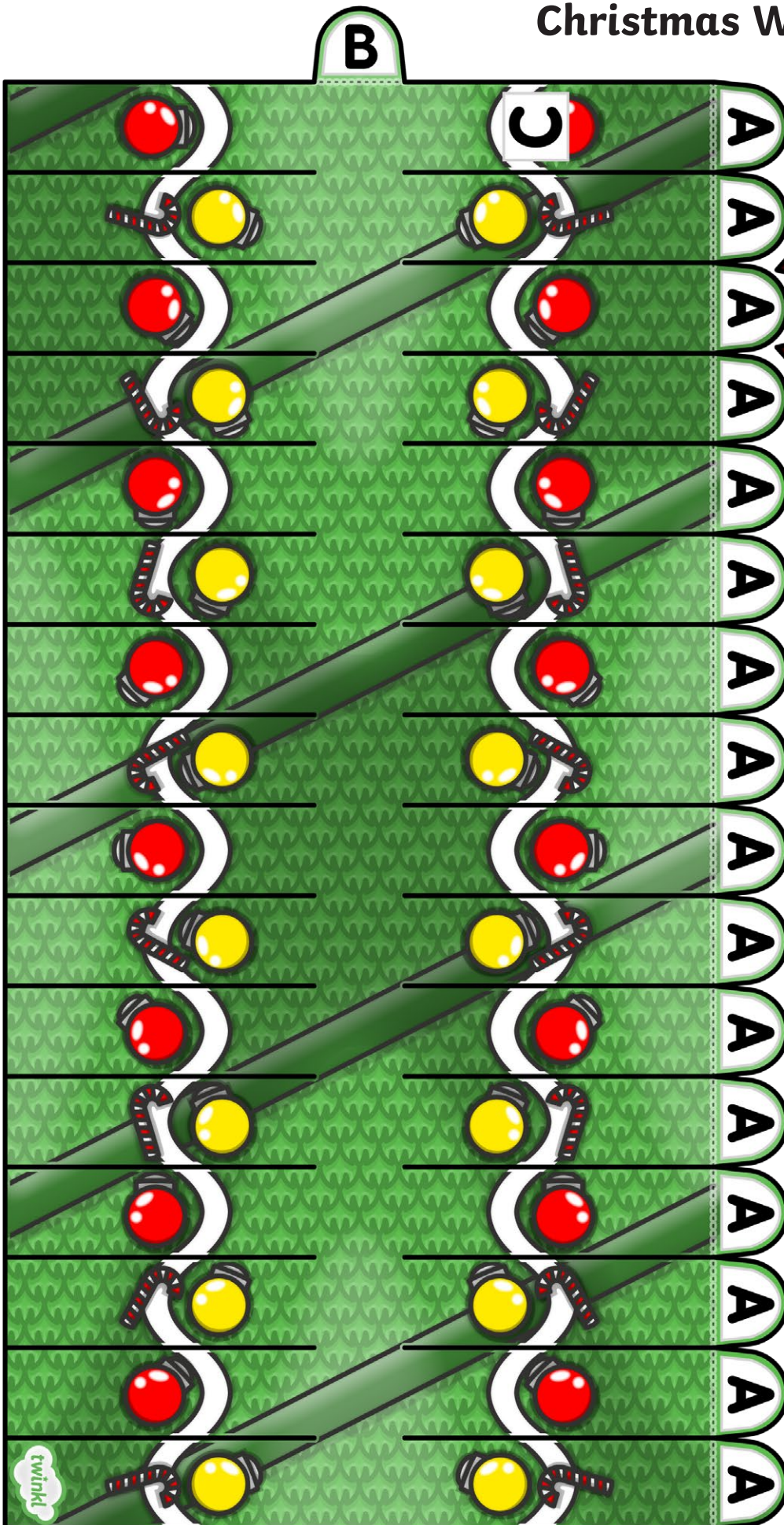
## Method

1. Place the flour and the salt in a bowl.
2. Add the butter and rub together with your fingertips until it looks like breadcrumbs.
3. Sprinkle the water into the bowl and mix together until the mixture forms a dough.
4. Lightly knead the dough on a floured surface and then the pastry is ready!
5. Lightly grease the cupcake tins.
6. Roll out the pastry and cut out small circles.
7. Press the circles into the cupcake tins.
8. Add a teaspoon of mincemeat to each one.
9. Roll out the remaining dough and cut a small Christmas shape to go on top of each mince pie as a lid.
10. Bake at 200°C for 15 to 20 minutes. Be careful when removing from the oven as mincemeat gets very hot and sticky.





# Christmas Wreath Decoration



Carefully cut out the model along the solid black outlines.

Curve the model around and glue the tabs marked "A" to the opposite side to create a tube with cuts down the side.

Curve the tube around and glue the tab marked "B" to the opposite side. Finally glue the bow onto the tab marked "C".

- 1) Cut \_\_\_\_\_
- 2) Hill Fold - - - - -
- 3) Valley Fold . . . . .
- 4) Glue 

1	2	3
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# Santa's Workshop

