

Robins Class Home Learning

Maths activities











Do as many activities as you can in the last two weeks of Year 4/5.

# Maths Activity Booklet

Name: \_\_\_\_\_



# Place Value Code Breaker

									
<b>2</b>	<b>4</b>	<b>8</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>9</b>	<b>3</b>	<b>7</b>

In the number						what is the value of the  ?
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Answer: \_\_\_\_\_

In the number						what is the value of the  ?
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Answer: \_\_\_\_\_

In the number						what is the value of the  ?
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Answer: \_\_\_\_\_

What is the number						rounded to the nearest 10?
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Answer: \_\_\_\_\_

What is the number						rounded to the nearest 100?
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Answer: \_\_\_\_\_

What is the number				written in Roman numerals?
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Answer: \_\_\_\_\_

# Calculations Code Breaker

Solve the calculations and use the code breaker to spell out a summer-themed joke. The joke will read down the tables.

A	B	C	D	E	F	G	H	I	J	K	L	M
6	15	21	5	13	24	18	7	12	1	25	19	9

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
22	16	11	26	2	17	20	3	10	8	14	23	4

	Answer	Letter
$64 \div 8$		
$63 \div 9$		
$1300 \div 100$		
$0.02 \times 100$		
$1.3 \times 10$		

	Answer	Letter
$55 \div 11$		
$160 \div 10$		

	Answer	Letter
$0.24 \times 100$		
$144 \div 12$		
$1700 \div 100$		
$56 \div 8$		

	Answer	Letter
$1.8 \times 10$		
$1600 \div 100$		

	Answer	Letter
$4 \times 4$		
$2.2 \times 10$		

	Answer	Letter
$42 \div 6$		
$8 \times 2$		
$190 \div 10$		
$96 \div 8$		
$0.5 \times 10$		
$48 \div 8$		
$0.23 \times 100$		?

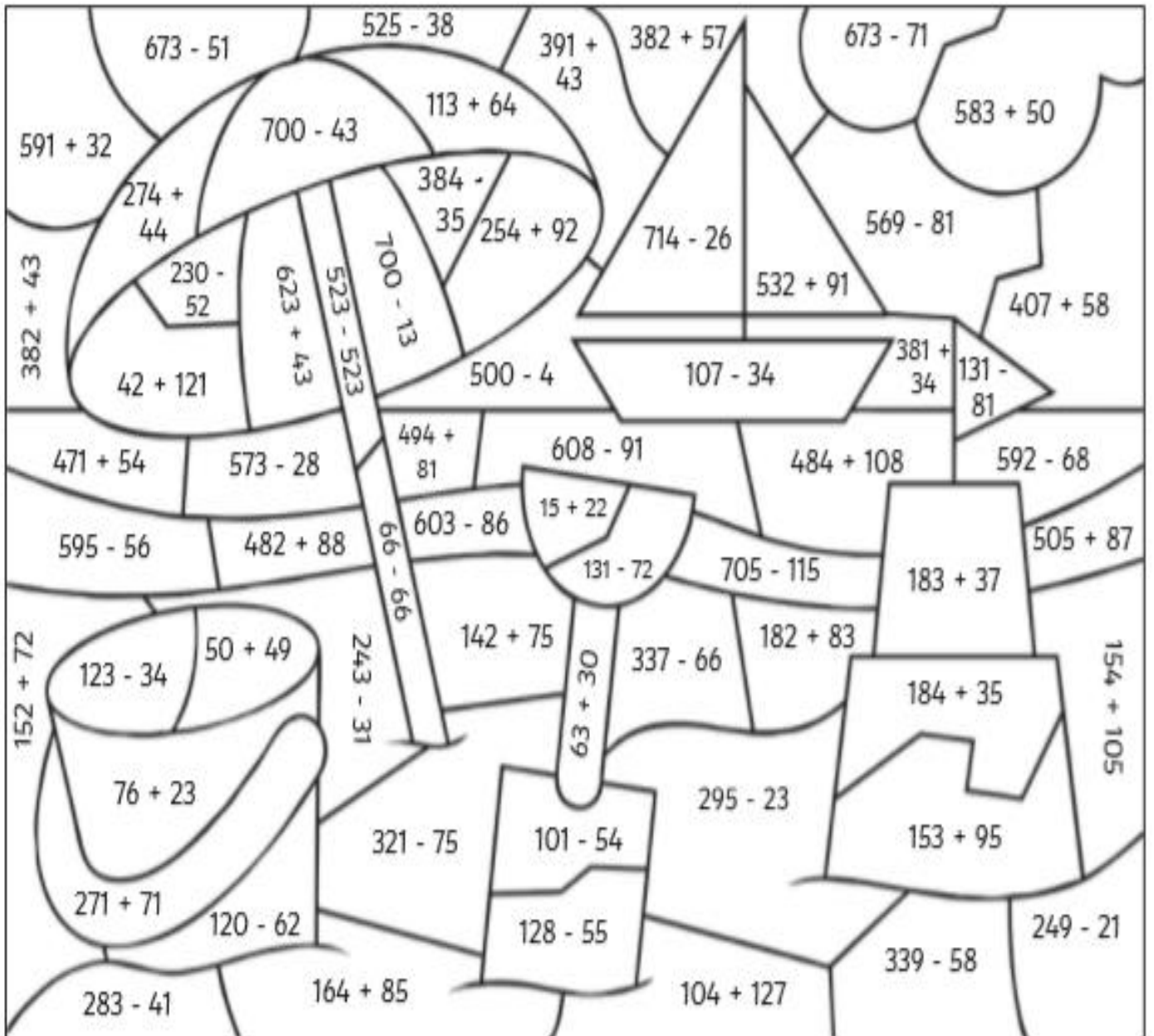
	Answer	Letter
$3 \times 8$		
$60 \div 5$		
$0.22 \times 100$		
$1900 \div 100$		
$54 \div 9$		
$11 \times 2$		
$0.05 \times 100$		

Question: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Punchline: \_\_\_\_\_

# Colour by Calculation

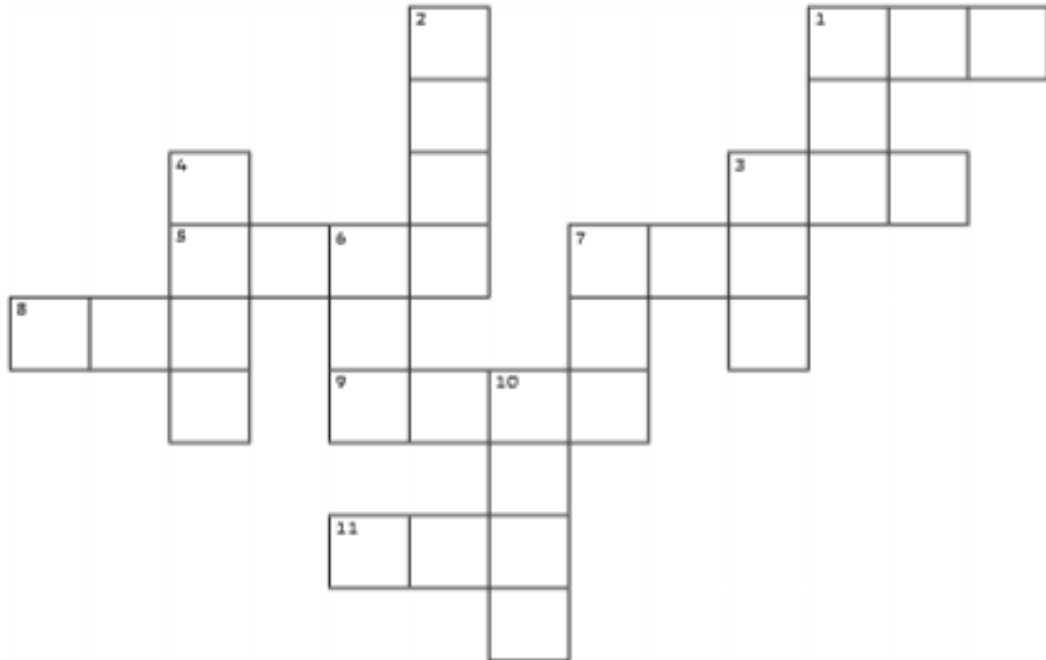
Use the key to colour the summer-themed picture.



Grey:	Red:	Orange:	Yellow:	Green:	Light Blue:	Dark Blue:	White:
0	1 - 100	101 - 200	201 - 300	301 - 400	401 - 500	501 - 600	601 - 700

# Number Cross

Use the summer-themed code to complete the number cross. Use written methods of multiplication to solve the number cross.



### Across:

1. ×
3. ×
5. ×
7. ×
8. ×
9. ×
11. ×

### Down:

1. ×
2. ×
3. ×
4. ×
6. ×
7. ×
10. ×

<b>2</b>	<b>4</b>	<b>8</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>9</b>	<b>3</b>	<b>7</b>

## Summertime Equivalent Fractions Maths Mosaic

Simplify each fraction to its lowest term to reveal the hidden picture. Each answer has a special colour.

$$\text{yellow} = \frac{2}{3}$$

$$\text{black} = \frac{3}{4}$$

$$\text{pink} = \frac{2}{5}$$

$$\text{green} = \frac{5}{6}$$

$$\text{blue} = \frac{1}{3}$$

$\frac{2}{6}$	$\frac{3}{9}$	$\frac{4}{6}$	$\frac{8}{12}$	$\frac{12}{18}$	$\frac{10}{15}$	$\frac{6}{9}$	$\frac{5}{15}$	$\frac{6}{18}$
$\frac{4}{12}$	$\frac{14}{21}$	$\frac{18}{27}$	$\frac{22}{33}$	$\frac{20}{30}$	$\frac{16}{24}$	$\frac{4}{6}$	$\frac{8}{12}$	$\frac{7}{21}$
$\frac{6}{8}$	$\frac{30}{40}$	$\frac{9}{12}$	$\frac{27}{36}$	$\frac{12}{16}$	$\frac{24}{32}$	$\frac{15}{20}$	$\frac{21}{28}$	$\frac{18}{24}$
$\frac{6}{9}$	$\frac{33}{44}$	$\frac{36}{48}$	$\frac{39}{52}$	$\frac{14}{21}$	$\frac{42}{56}$	$\frac{45}{60}$	$\frac{48}{64}$	$\frac{18}{27}$
$\frac{12}{18}$	$\frac{10}{15}$	$\frac{51}{68}$	$\frac{22}{33}$	$\frac{20}{30}$	$\frac{16}{24}$	$\frac{54}{72}$	$\frac{4}{6}$	$\frac{8}{12}$
$\frac{14}{21}$	$\frac{18}{27}$	$\frac{22}{33}$	$\frac{20}{30}$	$\frac{16}{24}$	$\frac{4}{6}$	$\frac{8}{12}$	$\frac{12}{18}$	$\frac{10}{15}$
$\frac{4}{6}$	$\frac{8}{12}$	$\frac{12}{18}$	$\frac{10}{15}$	$\frac{6}{9}$	$\frac{14}{21}$	$\frac{18}{27}$	$\frac{22}{33}$	$\frac{20}{30}$
$\frac{22}{33}$	$\frac{20}{30}$	$\frac{4}{10}$	$\frac{6}{15}$	$\frac{8}{20}$	$\frac{10}{25}$	$\frac{12}{30}$	$\frac{4}{6}$	$\frac{8}{12}$
$\frac{10}{12}$	$\frac{14}{21}$	$\frac{18}{27}$	$\frac{14}{35}$	$\frac{16}{40}$	$\frac{18}{45}$	$\frac{6}{9}$	$\frac{14}{21}$	$\frac{35}{42}$
$\frac{15}{18}$	$\frac{20}{24}$	$\frac{4}{6}$	$\frac{8}{12}$	$\frac{12}{18}$	$\frac{10}{15}$	$\frac{6}{9}$	$\frac{25}{30}$	$\frac{30}{36}$

# Summer Number Puzzles

I collect some shells on the beach.  
I multiply the number of shells by 5.  
I then subtract 15,  
multiply by 7,  
and divide by 2.  
I end with the number 735.  
How many shells did I collect?



I decorate my sandcastle with flags.  
I multiply the number of flags by 7.  
I then add 78,  
multiply by 4,  
and divide by 3.  
I end with the number 300.  
How many flags did I use to decorate my sandcastle?



I practise cartwheels on the sand.  
I multiply the number of cartwheels by 8.  
I then subtract 132,  
multiply by 10,  
and divide by 4.  
I end with the number 30.  
How many cartwheels did I do?



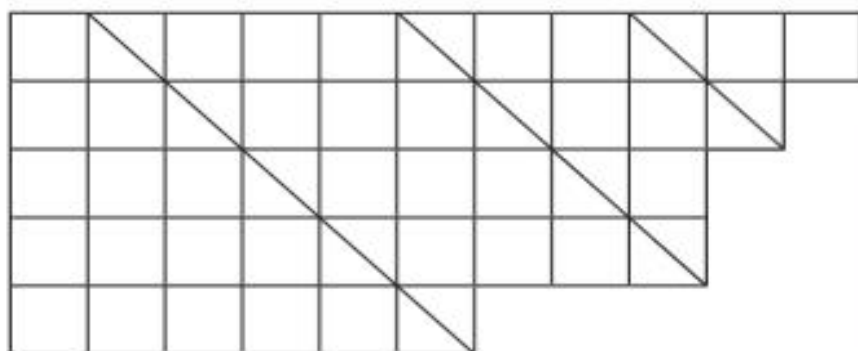
# Pirate Flags



These flags have been designed on cm square grids.

- What is the area of each flag?
- What is the perimeter of each flag?

Colour in the flags according to the fractions.



Red =  $\frac{1}{3}$

Green =  $\frac{1}{6}$

Blue =  $\frac{1}{2}$

Area = \_\_\_\_\_

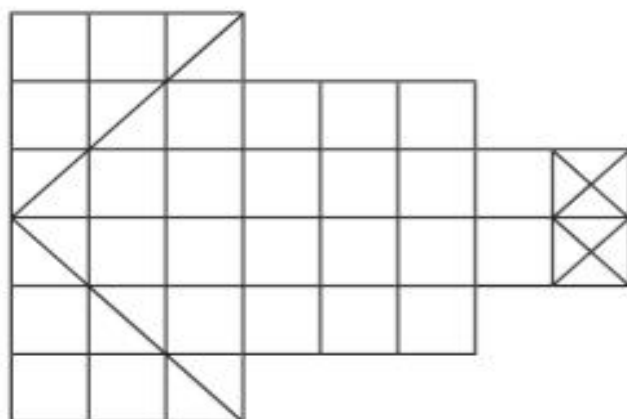
Perimeter = \_\_\_\_\_

Red =  $\frac{1}{4}$

Green =  $\frac{1}{8}$

Blue =  $\frac{1}{2}$

White =  $\frac{1}{8}$



Area = \_\_\_\_\_

Perimeter = \_\_\_\_\_



# Converting Units of Time Board Game

## Instructions

Each player must choose a space to start from and place their counter on it.

The first player rolls the dice and moves their counter clockwise.

They must answer the question in that square, find the answer on the correct shell and cover it over.

The next player will take their turn.

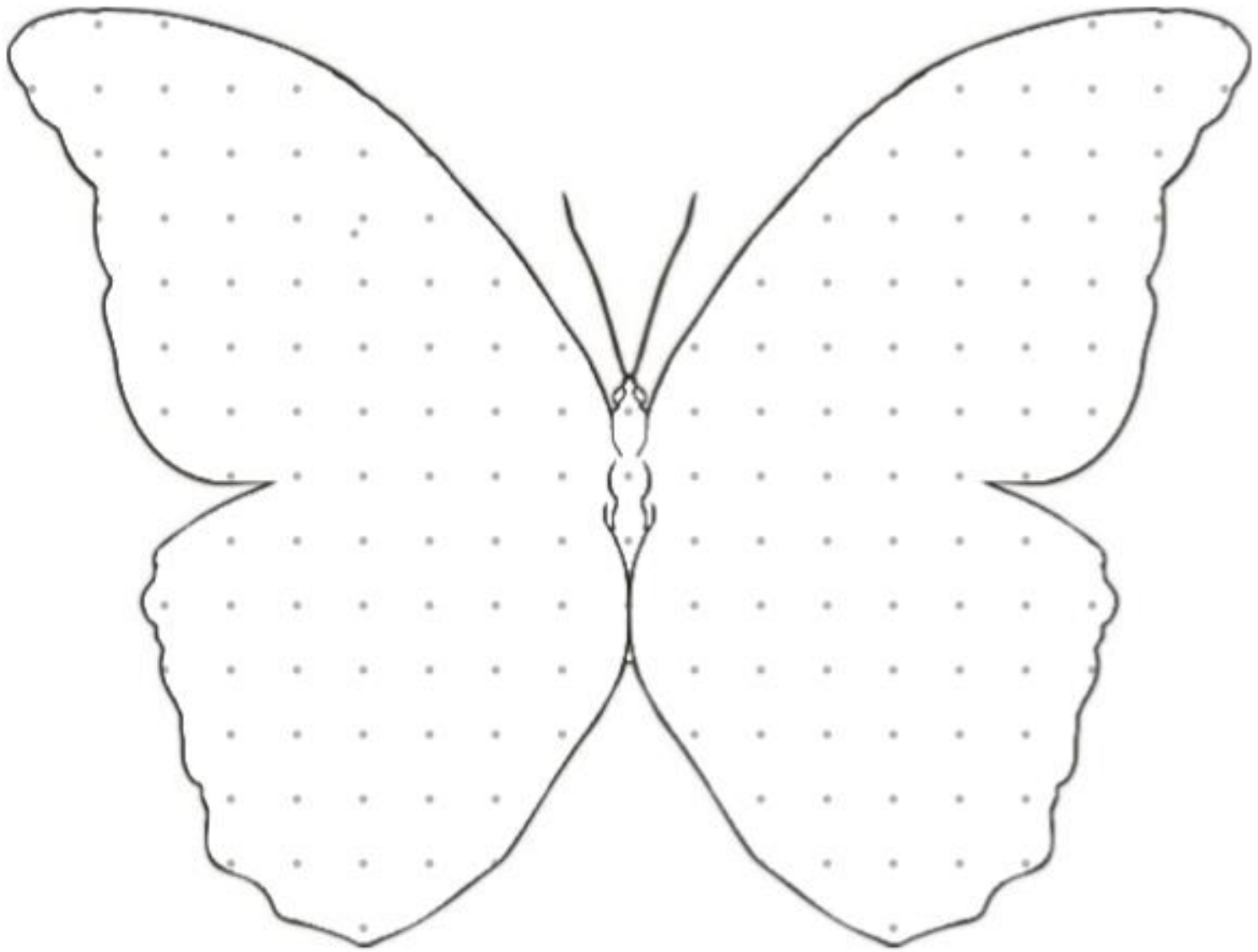
If a player lands on a square where the answer has already been covered, they must miss a go.

The winner is the player who has covered the most shells.

How many minutes are in 3 hours?	How many days are in 2 weeks?	How many years are in a decade?	How many seconds are in 6 minutes?	How many hours are in a day?	
How many hours are in 3 days?	<p>The grid contains 16 seashell-shaped cards with the following answers:</p> <ul style="list-style-type: none"> <li>Row 1: 180 minutes, 360 seconds, 14 days, 1000 years</li> <li>Row 2: 10 years, 24 hours, 72 hours, 56 days</li> <li>Row 3: 600 seconds, 48 hours, 240 minutes, 420 seconds</li> <li>Row 4: 35 days, 300 minutes, 480 seconds, 100 years</li> </ul>				How many minutes are in 4 hours?
How many seconds are in 8 minutes?					How many days are in 5 weeks?
How many years are in a millennium?					How many years are in a century?
How many days are in 8 weeks?	How many minutes are in 5 hours?	How many seconds are in 10 minutes?	How many hours are in 2 days?	How many seconds are in 7 minutes?	

# Butterfly Pattern Symmetry

Draw a symmetrical pattern on this butterfly using different quadrilaterals.



Which quadrilaterals did you use in your symmetrical design?

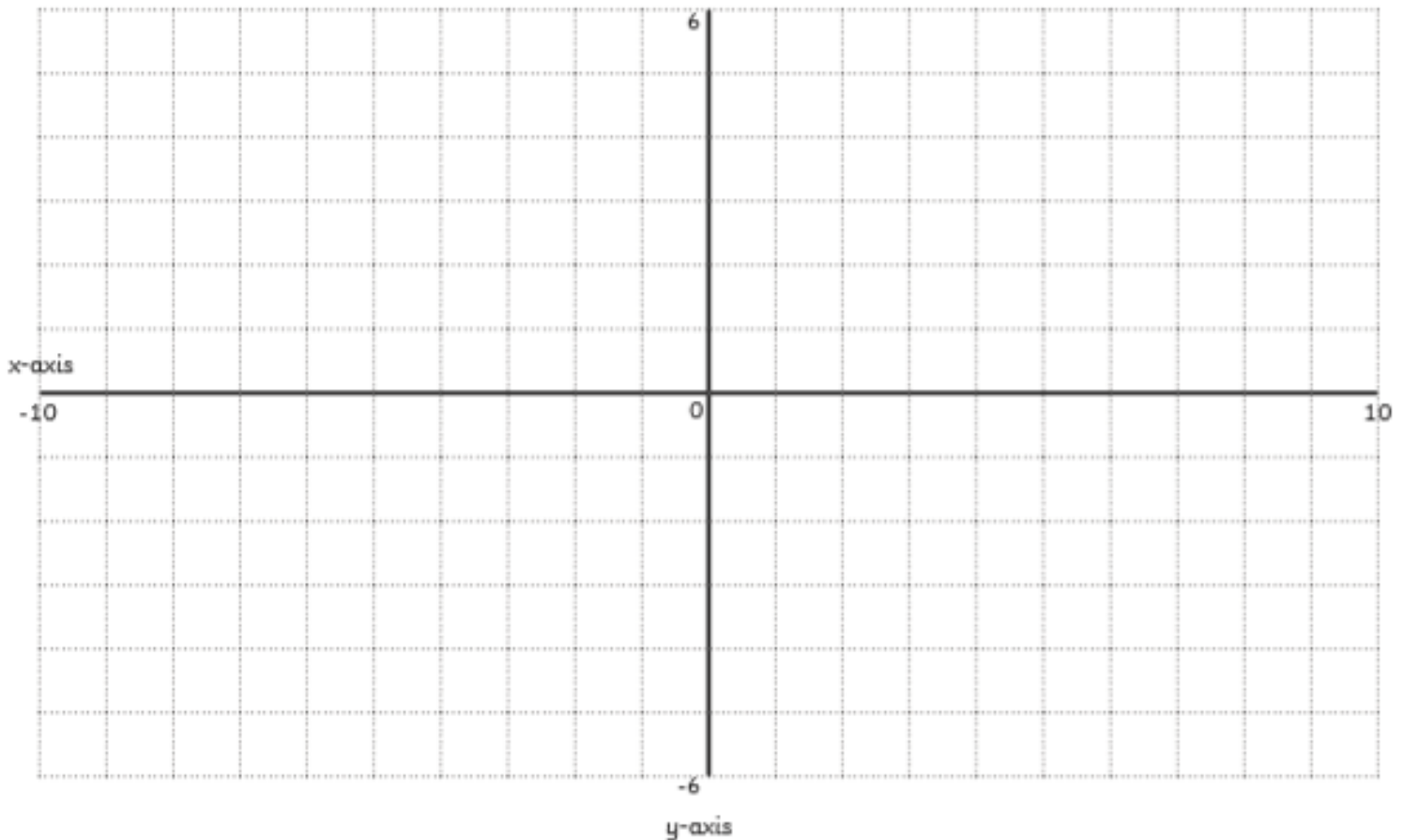
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# Coordinate and Reflection Mystery Picture

Plot these shapes onto the coordinate grid and join them together with straight lines. Next, reflect the shapes over the y-axis to reveal a mystery picture.



1.  $(-7, 3), (-5, 3), (-5, 5), (-4, 4), (-4, 2), (-3, 1), (-2, 1), (-2, 2), (-1, 2), (-1, 1), (0, 1), (0, -4), (-1, -4), (-3, -3), (-4, -2), (-4, -1), (-3, 0), (-5, 2), (-6, 2), (-7, 3)$
2.  $(-4, -1), (-6, -1), (-6, -2), (-4, -1)$
3.  $(-4, -2), (-6, -3), (-5, -4), (-4, -2)$
4.  $(-3, -3), (-3, -5), (-2, -5), (-3, -3)$

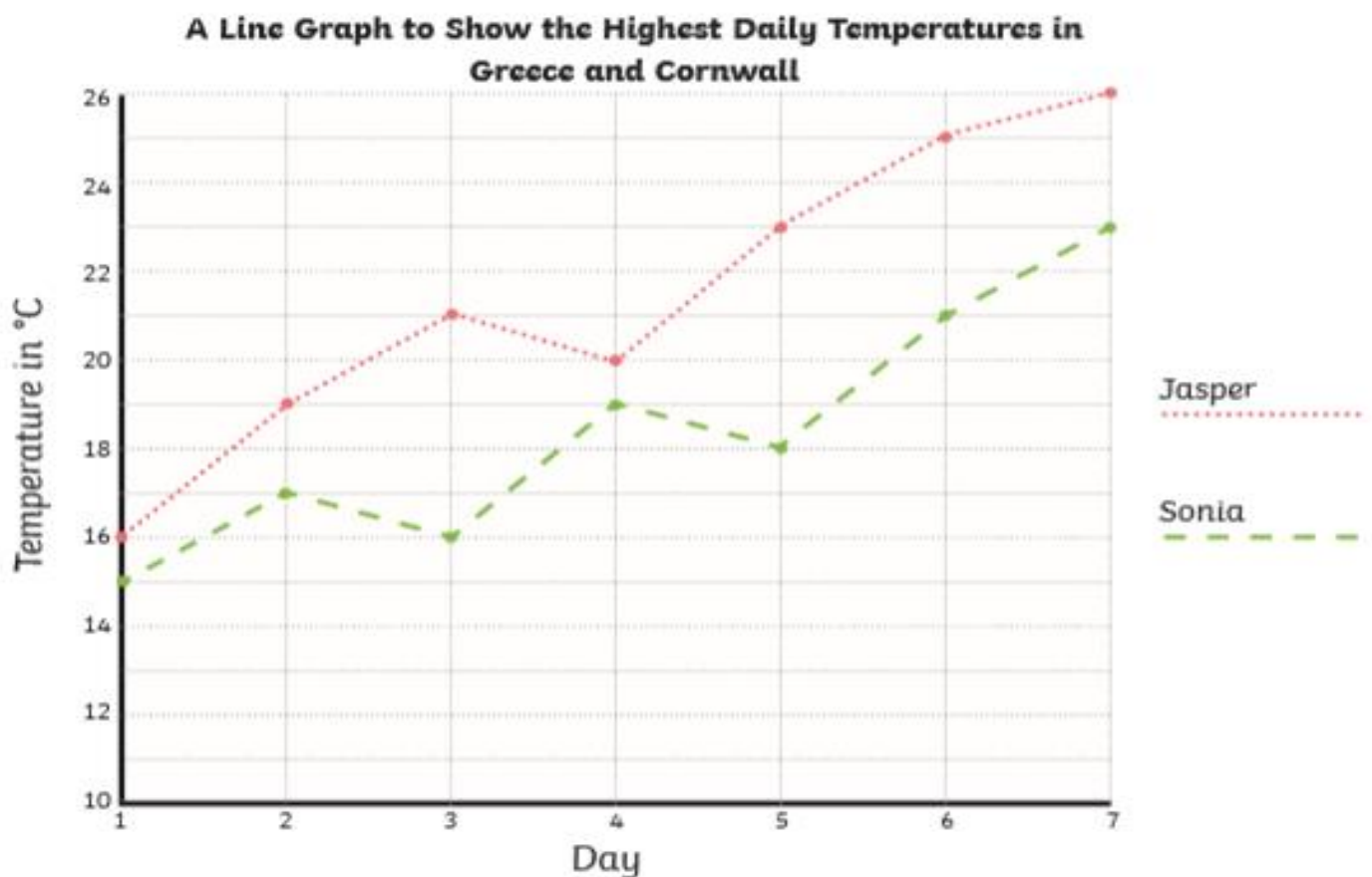
The mystery picture is \_\_\_\_\_

# Summer Holiday Temperatures

## Line Graph

Jasper went on his summer holiday to Greece. Sonia went on her summer holiday to Cornwall. Here is a line graph showing the highest daily temperature on each day of their summer holidays.


























Use the graph to answer the questions.



1. What was the temperature on day 4 of Jasper's holiday? <input type="text"/>	2. What was the temperature on day 1 on Sonia's holiday? <input type="text"/>
3. What was the difference in temperature between Greece and Cornwall on day 3? <input type="text"/>	4. How much warmer was it in Greece than Cornwall on day 7? <input type="text"/>
5. On which day was the temperature of Sonia's holiday 21°C? <input type="text"/>	6. On which day did the temperature in Greece decrease? <input type="text"/>



# Summer Holiday Activities Board Game

<p><b>START</b></p>	 <p>+ 120</p>	 <p>- 150</p>				
			 <p>+ 90</p>	 <p>- 110</p>	 <p>+ 150</p>	 <p>- 70</p>
<p><b>FINISH</b></p>						 <p>+ 200</p>
 <p>+ 100</p>	 <p>- 40</p>	 <p>+ 120</p>	 <p>- 150</p>			
			 <p>+ 100</p>			
 <p>- 130</p>	 <p>+ 140</p>	 <p>- 110</p>	 <p>+ 160</p>			
						 <p>- 100</p>
 <p>+ 170</p>						 <p>+ 160</p>
 <p>- 40</p>	 <p>+ 160</p>	 <p>- 90</p>	 <p>+ 120</p>	 <p>- 120</p>	 <p>+ 180</p>	

## English activities

Do as many activities as you can in the last two weeks of Year 4/5.

## English Activity Booklet



# Postcards from Around the World

Hello class,

Well what can I say about Egypt? It is extremely hot and sunny here in Cairo. Yesterday I sailed down the Nile on an old fashioned Rivership and even saw huge Nile crocodiles relaxing on the riverbank - as you can imagine, we weren't able to swim despite the heat! Today I went on a camel ride and saw the pyramids and the sphinx. The sphinx looks like a big cat or a lion but it has a human face! Tomorrow I'm going to the Egyptian Museum - I might see some statues of the Pharaohs if I'm lucky.

Love from Summer



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Hello class,

France is such an interesting place to visit. I'm staying in the capital city (Paris). Yesterday I went up to the top of the Eiffel Tower - it was very tall so took a long time to climb but the views were stunning. Then I went to the Louvre and saw lots of legendary paintings including the Mona Lisa (which looked a bit like my mum!). I can't wait until tomorrow because I'm going to Disneyland Paris - I wonder which characters I'll see.

Love from Summer



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## Postcards from Around the World



Hello class,

I'm having a great time here in Scotland! I've been doing lots of travelling around and have even been to Loch Ness to look for the Loch Ness monster - I thought I saw it but my mum said it was just a log floating in the water! Now I'm staying in the capital city (Edinburgh) and tomorrow I'm going to look around Edinburgh Castle - I might even hear them firing the cannons if I'm lucky!

Wish you were here,

Love from Summer



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1. Who is writing the postcards? \_\_\_\_\_

2. Circle all of the cities that she has been to visit?

Paris

London

Madrid

Edinburgh

Cairo

3. Why was she not allowed to swim in the Nile? \_\_\_\_\_

4. Find and copy the phrase that tells you she was excited about Disneyland. \_\_\_\_\_

5. ...and saw lots of legendary paintings...

Tick the word closest in meaning to 'legendary'.

beautiful

famous

unknown

exquisite

# Ice-Cream Match-Up!

Can you draw lines to match each prefix to the correct root word to make each ice cream into a verb? Each prefix belongs to two different root words.



Could you use some of the words in summer themed sentences?

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# Summer Sun

## Summer Sun

Robert Louis Stevenson

(from *A Child's Garden of Verses*, 1885)

Great is the sun, and wide he goes  
Through empty heaven with repose;  
And in the blue and glowing days  
More thick than rain he showers his rays.

Though closer still the blinds we pull  
To keep the shady parlour cool,  
Yet he will find a chink or two  
To slip his golden fingers through.

The dusty attic spider-clad  
He, through the keyhole, maketh glad;  
And through the broken edge of tiles  
Into the laddered hay-loft smiles.

Meantime his golden face around  
He bares to all the garden ground,  
And sheds a warm and glittering look  
Among the ivy's inmost nook.

Above the hills, along the blue,  
Round the bright air with footing true,  
To please the child, to paint the rose,  
The gardener of the World, he goes.



1. Who is the 'he' in this poem? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. What does 'slip his golden fingers through' mean? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. Find and copy a phrase that shows that the sun is comforting. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. 'Among the ivy's inmost nook'  
Tick the word that is closest in meaning to 'nook'?

wall

barrier

crevice

enclosure

# Summer Sentence Scramble

Use your super sentence writing skills to create sentences with a relative clause. Read the main clause, add an appropriate relative pronoun from the list below and then add your own relative clause. The first one is done for you as an example.

**Relative pronouns - who, which, where, when, whose, that**

1. We often visit the seaside **when the sun shines.**
2. The girl jumped into the pool, \_\_\_\_\_  
\_\_\_\_\_
3. We went on a long plane journey \_\_\_\_\_  
\_\_\_\_\_
4. The boy sprayed his friend with the water pistol, \_\_\_\_\_  
\_\_\_\_\_



This time, read the main clause. Then re-write the sentence, adding an appropriate relative pronoun and embedded relative clause in the middle of each sentence. Don't forget your commas if you need them! The first one is done for you as an example.

1. We went to the beach, **which was on the east coast,** to go surfing.
2. The ice-cream melted quickly. \_\_\_\_\_  
\_\_\_\_\_
3. Our dog dug a deep hole in the sand. \_\_\_\_\_  
\_\_\_\_\_
4. My dad paddled the dinghy out to sea. \_\_\_\_\_  
\_\_\_\_\_

# Strawberries

This succulent, fragrant fruit is as beautiful as it is flavourful. Traditionally the strawberry season is quite short with a six-week season from early May until late August. The use of polytunnels and glass houses has extended the strawberry season. Although strawberries will be in plentiful supply throughout May the season will reach its peak in June and July. If good weather continues from July you can expect to see British strawberries until the end of September.



Strawberries grown on farms in the UK grow on runners from a parent plant. It's quicker than growing from a seed. It takes five to six months for the baby strawberry plants to grow roots of their own and be ready to go to their own polytunnel.



Polytunnels are like big plastic greenhouses in the shape of a tube. Giant glass houses are also used. They let in lots of light but they keep the strawberries protected from the weather and help stop pests and diseases. Once the strawberries are planted they need to be watered every day. A special method called irrigation is used to water the soil using special pipes.



The following year the strawberry plants are mature enough to start to flower. Each flower can become a strawberry, but it needs to be pollinated by an insect. The insect pollinates the flower by crawling on it to get the nectar. At the same time it rubs the yellow pollen on to the inside parts of the flower. This is what makes the fruit start to grow.



Thirty days after being pollinated, the baby strawberries start to form. To start with they are small and green. As time passes and they get more water and sunshine the fruits begin to grow and turn red. The polytunnel stops the birds from eating the young fruits.



**Strawberry**  
ice-cream is the third most favourite  
ice-cream in the world at 5%  
(after vanilla 29% and chocolate 9%)

(Info from <http://www.derinice.com>)



## Strawberries are the best!

- Many children say that strawberries are their favourite fruit.
- Strawberries are a great source of vitamin C.
- Strawberries are low in calories.
- There is a museum in Belgium dedicated only to strawberries!

Is strawberry the favourite flavour of ice-cream in the world?

 yes no

Explain how you know. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1. Find and copy two reasons why strawberries are good for you.

1. \_\_\_\_\_  
\_\_\_\_\_  
2. \_\_\_\_\_  
\_\_\_\_\_

2. 'The following year the strawberry plants are mature enough to start to flower.'

Circle the word closest in meaning to 'mature' in this sentence.

large

old

young

ripe

Why are all strawberries picked by hand rather than with machinery? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# The Water Fight



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

Sentence 1: Include a relative clause.

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Sentence 2: Use brackets to indicate parenthesis.

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Sentence 3: Include a modal verb.

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Sentence 4: Ensure cohesion in your paragraph with the inclusion of an adverb of time.

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Sentence 5: Include an adverb of possibility.

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## Summer Word Mix-Up

6. We visited our family in Scotland twice last year.

The underlined word is an \_\_\_\_\_.

**VILRADEB FO RUBMNE**



7. I can't wait to go on holiday (on a plane) this year.

The underlined words are contained within \_\_\_\_\_ because they are \_\_\_\_\_.

**KETRACBS**



**SARNITSEEPH**



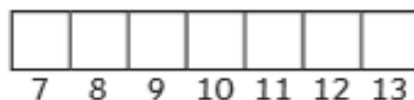
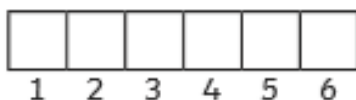
8. As the campers sat around the fire eating, the rabbit hid in the bushes.

In this sentence the circled punctuation is a \_\_\_\_\_ which helps to avoid \_\_\_\_\_.

**MOMCA**



**TABMYIGIU**



Extra Activities

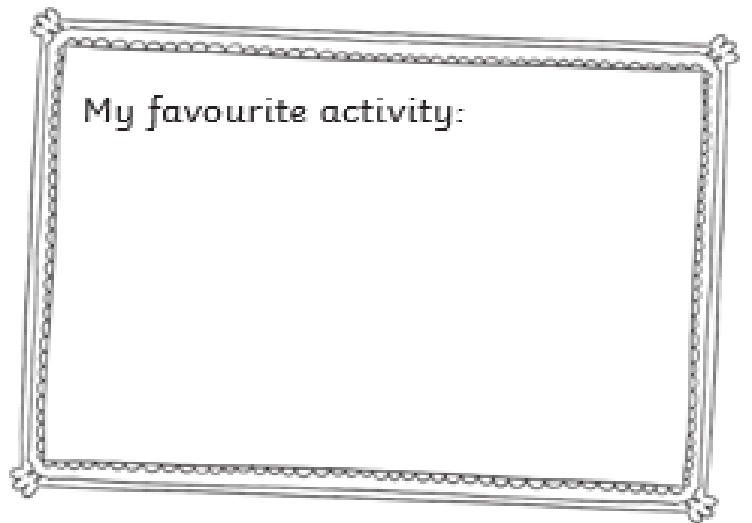
# My Favourite Memories from This Year!



My favourite moment:



Memories I will treasure:



What I love the most about this year: \_\_\_\_\_

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# Dream Summer Art

What would be your ideal summer? Trips to the beach maybe? A day at a theme park? A picnic with friends in a peaceful green field? Or a swim in an outdoor pool? Mirrored sunglasses show a reflection of what the wearer is looking at. Use the sunglasses template to create a scene of your ideal summer.

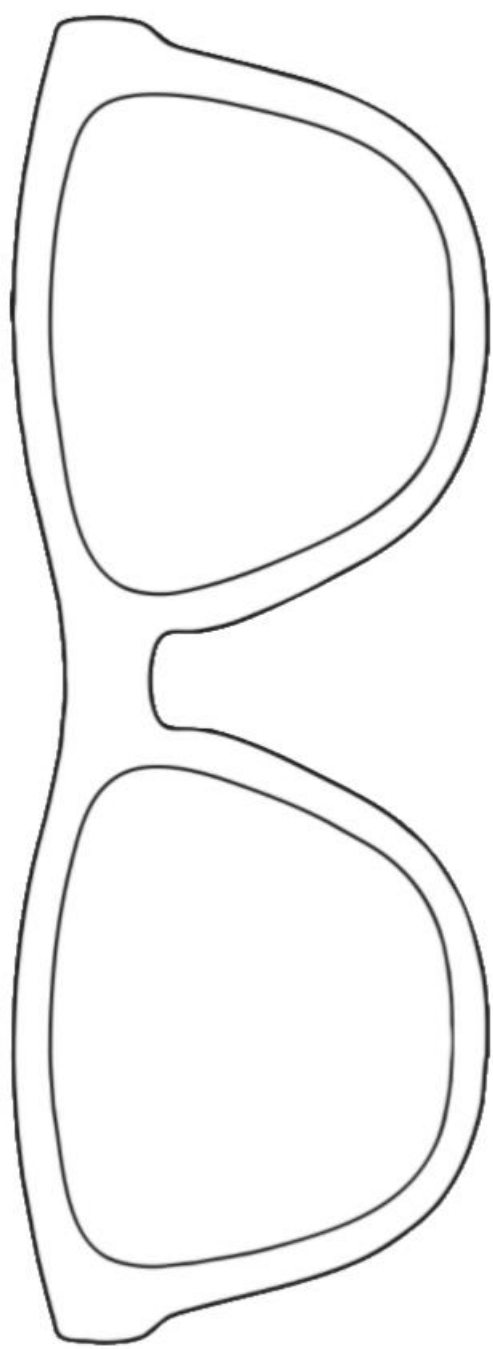
## You will need:

- Pencil crayons or watercolour paints. Both of these will give a light, relaxed feeling to your summer scene. If you are using paints, you will also need water and paintbrushes.
- Pencil
- Black felt tip or marker
- Sunglasses template



## Instructions

1. Draw your scene in the lenses of the sunglasses. Do this lightly in pencil so you can rub out any mistakes.
2. Once you are happy with your drawing, use your chosen materials to add colour.
3. Finally, colour in the frame of the sunglasses in black felt tip (if you have been using paints, allow time for the paint to dry before adding your outline).



- [https://read.bookcreator.com/P1KHTMLmo71dVoSBth70o17Cdqmt1/caeLhOIiR6OKQvW\\_CdcQHq-](https://read.bookcreator.com/P1KHTMLmo71dVoSBth70o17Cdqmt1/caeLhOIiR6OKQvW_CdcQHq-) workshops available here-

Take a look!

- Use your SLS account to do some Summer Reading.
- <https://summerreadingchallenge.org.uk/> - Join the Summer Reading Challenge Fun
- Try and get to the top of the school leader board on Times Tables Rockstars