



HILL WEST
Primary

FOUR OAKS

Home Learning Pack

Year 5;

Week Beginning 25.01.21



Home Learning Links

Oak National Academy

Oak National Academy is an online classroom and resource hub. It provides high-quality video lessons and resources to support teachers, parents and pupils.

www.thenational.academy

BBC Bitesize

With BBC Bitesize it is easy to keep learning at home. You can access regular daily lessons in English, maths and other core subjects.

<https://www.bbc.co.uk/bitesize>

World Book Online

World Book online have just made their fabulous collection of over 3,000 e-books and audiobooks available for free for children to access at home. They have books suitable for all ages. Click on the following link to access them.

<https://worldbook.kitaboo.com/reader/worldbook/index.html?usertoken=Mjk5MzQ6MTpJUjA5MjAxNjoyOmNsaWVudDE2OTc6MTY5NzoyMjE2Mjg4OjE6MTU4NDM4MDExMzA2Mjp1cw%3D%3D>

Read Works.org

Read Works offers access to 3000+ comprehension for all age groups. Just sign up for a free account to access fantastic texts.

<https://www.readworks.org/>

Tutortastic

An online platform with tutorials and videos for home learning.

<https://www.tutortastic.co.uk/blog/homelearning>

Education Quizzes

A series of short quizzes for children to complete related to the National Curriculum subjects. Just select KS1 for Reception, Year 1 & Year 2 and select KS2 for Years 3-6.

<https://www.educationquizzes.com/ks1/>

Top Marks

A range of activities here but especially good interactive activities for maths.

<https://www.topmarks.co.uk/>

Classroom Secrets

Classroom Secrets Kids is offering free access to everyone until the end of April 2020. The platform is aimed at primary aged children and covers subjects such as maths, reading, grammar and spelling. The platform is really child-friendly so that they're able to access it on their own. There are a load of games and interactive activities from phonics to SATs

<https://kids.classroomsecrets.co.uk/>

National Geographic

National Geographic is a great platform for learning and it's totally free. There are online games, resources and competitions, too.

<https://www.natgeokids.com/uk/teacher-category/primary-resources/>

Reading Eggspress

Reading Eggspress has lots of reading activities including comprehension and retrieval questions to have a go at. Your child's Username and Password should be written in his Homework Book.

https://readingeggspress.co.uk/?_ga=2.107706762.961348329.1601363904-660844018.1598947512

Top Marks – Division

We have been learning about division this week, mostly looking in-depth at partitioning and we will transition into using the short method for division. Here are some great maths games to play on Laptops or iPads.

<https://www.topmarks.co.uk/Search.aspx?q=division>

Times Tables Rockstars

This is a great times tables game, practice all of the tables up to 12 x 12. Log- in should be in Homework book/ Reading diary.

<https://trockstars.com/>

Key Question Week 5: Why is water always in motion?**Key Text for Linked Learning:** The Rhythm of the Rain**Linked Learning:** English, Geography, Science

In English, children will create a descriptive story to accompany some of the images in the text, they will up-level the language and use figurative language to describe how the river grows in size and water accumulates. Children will write about 4 key stages of the river along its journey and include scientific language to improve the accuracy of the writing.

Geography/Science, children will continue to explore the various stages of the water cycle and revisit the key features of rivers and relate this to the water cycle. Children will use their understanding of the different stages of the water cycle to identify what process is causing the water to change/adapt or move.

Maths: Children will deepen understanding of 3-D shapes they will look at properties of polygons; quadrilaterals and compare them. They will also create different 2D shapes on a co-ordinates grid.

Science: (see above)

History: Children will be able to describe an Anglo Saxon settlement, describing the types of materials they would have used for houses.

Geography: (see above)

Computing: Children will learn about how to research safely online.

Music: Continuing their in depth study of Swan Lake, children will write a commentary to accompany still images from the ballet, explaining how the music compliments the story.

Creative Arts: Children continue to complete their river scene using colours to create a foreground on top of the background.

PDW / R.E: Children will create a 'calm box' which will include a range of equipment and strategies to support mental health.

P.E: Children will bring together all of their learnt skills (passing, control, dribbling, and shooting) to engage in small-sided drills to earn points for their team.

MFL: Children will continue to learn the French routine and say these out loud.

Monday 1st February, 2021

Before our Zoom lesson at 10am please complete at least 1 lesson on Reading Eggs.

English

LO: To identify unfamiliar language

You can access an online PDF of the book here:

<https://abbeyroadprimary.co.uk/wp-content/uploads/2020/07/The-Rhythm-of-the-Rain.pdf>

Or you can watch it being read aloud

here: <https://www.youtube.com/watch?v=VNB7WGEUur4>

Reading Activity

Underline any
unfamiliar
words from
the text.

My River Journey

Faintly, I could hear the trickling of a stream, jingling and jangling like the set of keys in my pocket. Above me, reaching up to the sky like giants were the redwood trees of the ancient forest, they had seen decades come and go and countless adventurers walk beneath their shady canopy. They were the guardians of the secret stream, keeping it hidden and listening to its quiet whispers as it wound through between them. Carefully, I traced the water as it weaved and wriggled towards the lake, each step along my journey brought me closer to my destination. Wherever it may be.

Ahead of me was a clearing, sunlight burst through the treetops and I had to avert my eyes and look at the broken twigs and fern needles which littered the forest's floor. Several crunches and snaps beneath my feet later and I was released from the confines of the forest and I gazed out across a shimmering mirror, the light danced off the surface of the lake like a fireworks display. My jaw hit the floor and I fell to my knees in disbelief, I had finally found the mysterious lake that for so long, I had longed to find. As if struck by lightning, I jolted upright and began work on a raft which I could use to travel across the lake to see what wonders lay beyond its horizon.

After hours of searching and hammering and binding, I was ready to set sail across the calm and gentle lake, in the distance I could see colourful fish leaping out of the water which sent ripples of water which charged towards me. I paddled furiously, trying desperately to catch a glimpse of what lay beyond the lake. Suddenly, a crack rang out across the lake, followed shortly by more sharp booms and bashes, the sound of rocks being pelted by water. Did my eyes deceive me? Before me, raging like a dragon, were deadly rapids which laughed at me as they pulled me closer to my certain death. My heart was pounding, a small bead of sweat slithered down my back like a snake. It was too late to turn round. Too late to escape.

CRASH! BANG! WHALLOP! My make-shift raft was getting battered from all sides, I felt like a soldier at war battling my way out of the trenches of Normandy. I closed my eyes and breathed a deep, regretful breath, trying to silence the cacophony of the wicked waves which screamed around me. In that moment of calm among the chaos I decided that I would not give up, today would not be my last! Hanging on for dear life at each turn, rocked with the water and rolled with the rocks, I could feel the ferocity of the river growing weaker. The river widened, and quickened, but the onslaught had stopped, had I survived the worst of it?

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Carefully, I inspected the damage which my raft had sustained and although it was barely held together by the twisting vines I had used, it remained afloat, and my journey could continue. The air smelt fresh and crisp, and in every direction, I could see flat fields and rolling hills beyond. I lay back on my raft and stared up at the sky, not a cloud in sight, as blue as a sapphire, I could easily have been rocked to sleep right there and then. But beneath my raft, the pace of the river continued to speed up, like a drag racer preparing to launch. A calm before the storm ahead.

As the sun began to set across the sky, a bronze glow crept up from the horizon. My raft steadily rocked on, faster and faster. Until. Crashing, like that of a drum set being hurled off a cliff burst out from in front of me, the river ahead appeared to fall off into nothingness. Unmistakably, I was about to fire off the end of a waterfall, like a rocket leaving the Earth's atmosphere. My heart raced, my weary hands clenched to raft once again, my eyes drooped closed, defeated. There was no surviving this.

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Main task: Find the definitions for 5 of the unfamiliar words you found in the text.

Examples:

1. Afloat
2. Canopy
3. Confines
4. Disbelief
5. Pelted

Challenges: Can you use two of your words in a sentence?

Writing Activity – Main Task



Describe this scene using any figurative language you have picked up this year:

- Similes
- Metaphors
- Personification
- Expanded noun phrases

Challenge: What might live at the bottom of that lake?

English – Spellings and Handwriting

Learn the following statutory words:

You could use 'pyramid words', 'look – cover – write – check' or any other methods you can think of!

1. Committee
2. Determined
3. Profession

Handwriting: Write this out across 3 lines.

rec rec rec rec rec

Maths – Arithmetic – Multiplication

$18 \times 4 =$

$19 \times 2 =$

$18 \times 9 =$

$17 \times 3 =$

$14 \times 6 =$

$11 \times 8 =$

Remember that if
you use the grid
method you need to
add all the totals
together to get your
final answer.

$17 \times 12 =$

$12 \times 12 =$

$15 \times 12 =$

$12 \times 16 =$

$15 \times 17 =$

$19 \times 18 =$

Before this afternoon's lesson, have a look at this activity:

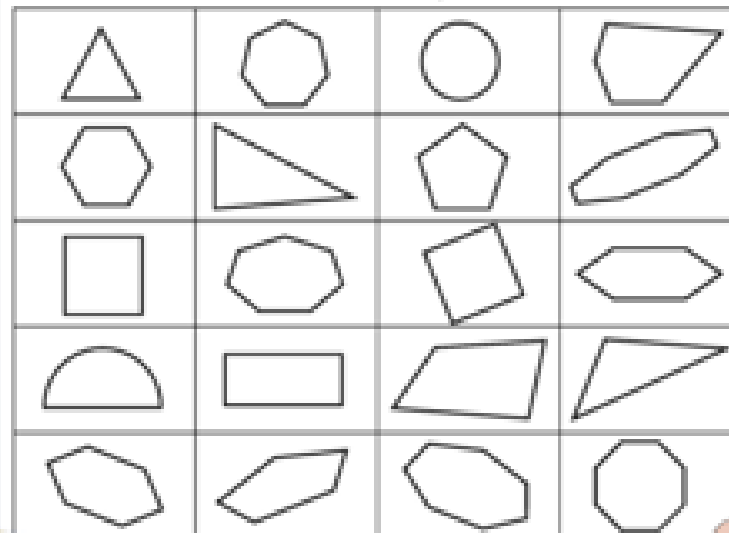
Google: Maths is Fun: Using a Protractor

[Using a Protractor \(mathsisfun.com\)](https://www.mathsisfun.com)

Maths – LO: To describe properties of 2-D shapes including polygons.

Day 1: Describe properties of 2-D shapes including polygons.

Guess the shape

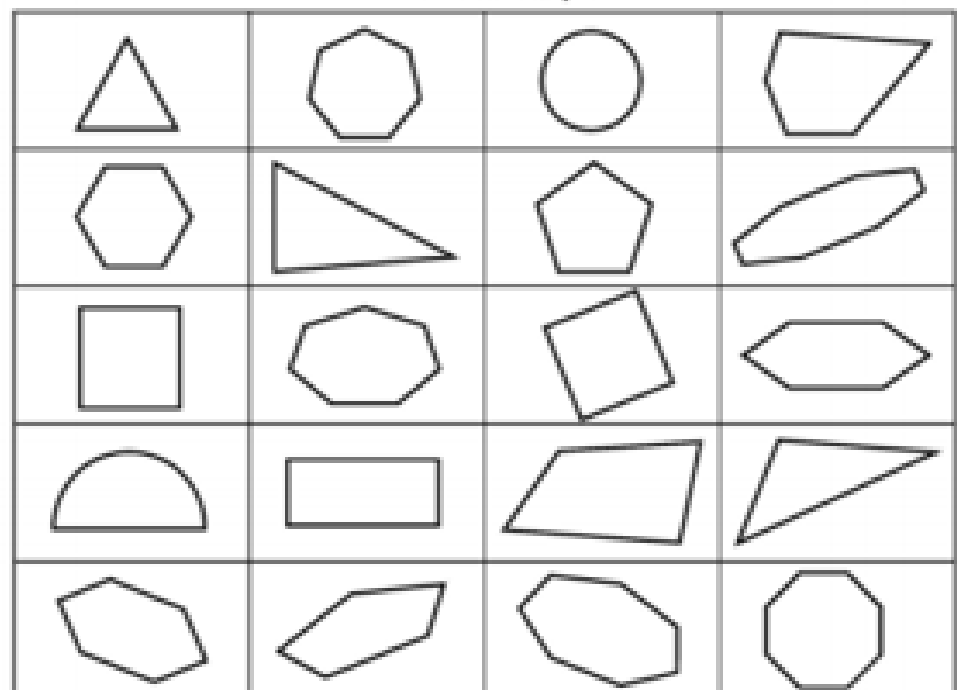


Note how most of the shapes are polygons.
Shapes with all straight sides are called polygons.
Circles, ovals and semicircles are not polygons
even though they are 2-D shapes.

Work in pairs: Choose a shape
and write at least five facts
about it. Be ready to share
them with the class.

Day 1: Describe properties of 2-D shapes including polygons.

Guess the shape



I am going to secretly choose one shape, and challenge you to work
out which it is by asking questions about its properties.
I will answer only 'yes' or 'no'...

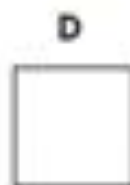
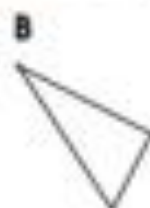
Properties of 2-D shapes

Day 1 Sheet 1

1. i) Which of these is a polygon? _____
ii) Why? _____



2. Look at these shapes.



Match the shapes to each description below:

A triangle:

_____ and _____

A quadrilateral:

_____ and _____

A pentagon:

_____ and _____

A symmetrical polygon:

_____ and _____

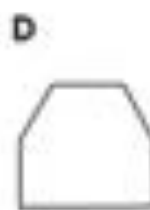
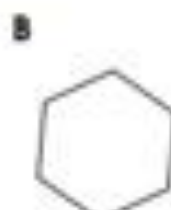
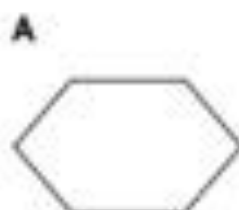
A regular polygon:

_____ and _____

An irregular polygon:

_____, _____ and _____

3. Which shape is not a hexagon? _____



Challenge

Draw four polygons with different numbers of sides.

Label them A, B, C and D.

Make up a quiz to test whether a partner can describe and identify each,

e.g. 1. How many pairs of parallel sides does it have?

2. Name three different types of this shape.

3. How many of me do you need to build a square based pyramid?

History – To explore Anglo-Saxon Arts and Crafts

Early Britain

The Anglo-Saxons lived in Britain from the 5th century – so around AD 400. The term relates to people from mainly the Germanic areas of Europe, who migrated to Britain after Roman rule came to an end, and lived amongst the people already living in Britain.

The Anglo-Saxons were highly skilled craftsmen and women who created jewellery, ceramics, sculptures and wall paintings.



History – To explore Anglo-Saxon Arts and Crafts

Metalwork Craft

The Anglo-Saxons created buckles, jewellery and purse fittings which were made from gold, silver and bronze. The metal was beaten and engraved, often with dots and dashes representing the fur of animals. Gemstones like garnet were inlaid into the metal. Niello was used to add letters and symbols to the engraved items.

Niello was a black paste made from copper, sulphur, silver and lead. It was added to the metal and then fired – heated to a very high temperature – to set the paste.



The Fuller Brooch – 9th century Anglo-Saxon

History – To explore Anglo-Saxon Arts and Crafts

The Great Buckle

In 1939, an Anglo-Saxon burial site was discovered in Sutton Hoo, Suffolk. It consisted of a buried ship containing objects of incredible historical and archaeological importance.

This buckle, known as The Great Buckle, was part of the hoard. Its plate is hollow and has a hinge at the back. This reveals a secret chamber which might have contained a religious relic. The engraving is intricate and inlaid with niello.



History – To explore Anglo-Saxon Arts and Crafts

A Purse Lid

Purse lids were attached to the fabric of a purse and would clasp shut. This purse lid was also part of the Sutton Hoo hoard and was discovered in the burial mound thought to be that of the Anglo-Saxon King of East Anglia, Raedwald. It is decorated in gold and garnet enamel and is a sign of great wealth.



History – To explore Anglo-Saxon Arts and Crafts

Stone Sculpture and Carving

Most Anglo-Saxon stone carving is of crosses on or beside churches. Many are now incomplete with carving faded.

This cross is in the churchyard of St Edward the Confessor in Leek, Staffordshire.

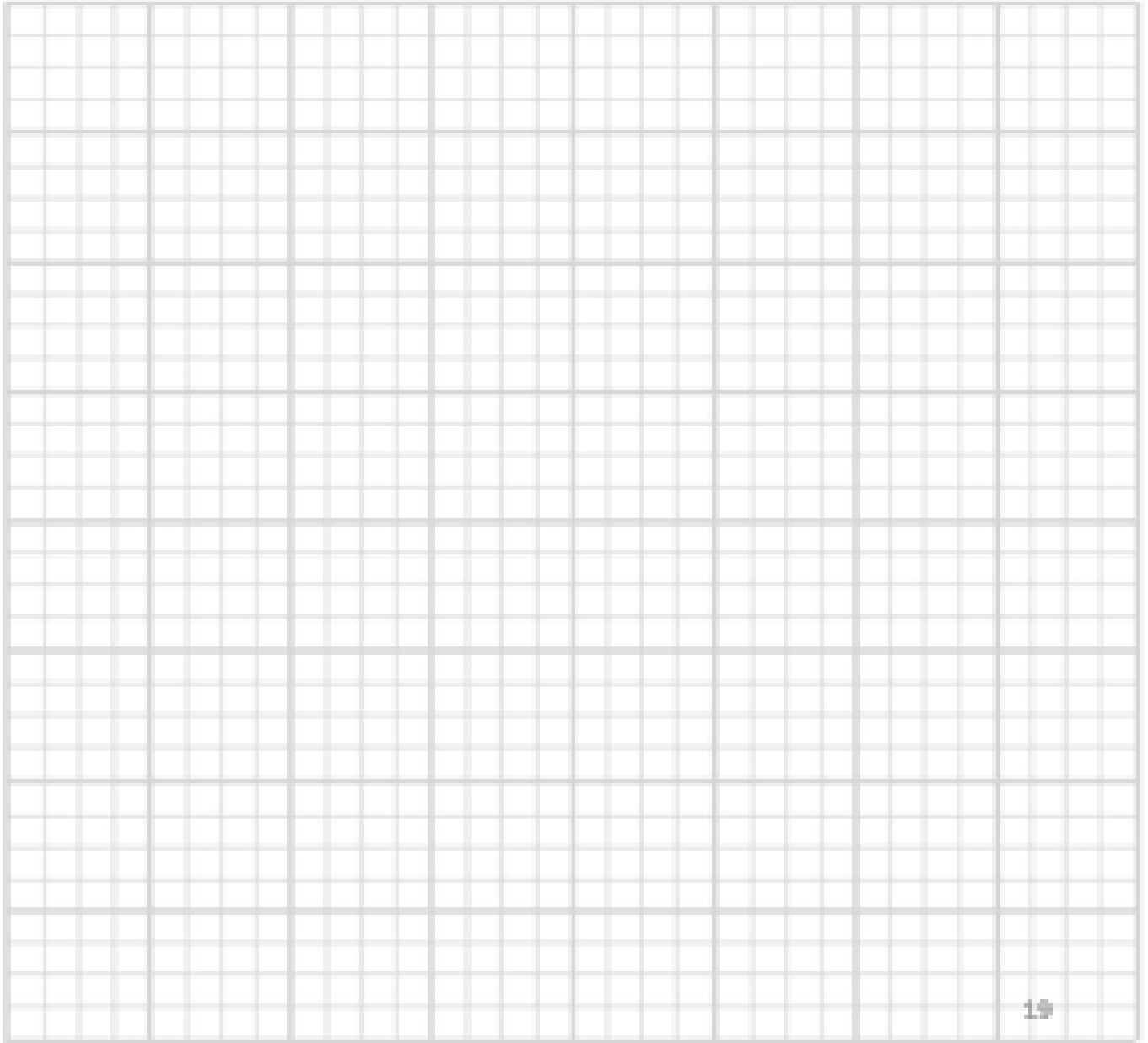


Design your own Anglo-Saxon Brooch.

My brooch is for _____

It will be made using _____





Tuesday 2nd February 2021

Before our Zoom session at 10am please complete 30 minutes on TTRS.

English

Tuesday 2nd February, 2021

LO: To identify the figurative language used in a text

Faintly, I could hear the trickling of a stream, jingling and jangling like the set of keys in my pocket. Above me, reaching up to the sky like giants were the redwood trees of the ancient forest, they had seen decades come and go and countless adventurers walk beneath their shady canopy. They were the guardians of the secret stream, keeping it hidden and listening to its quiet whispers as it wound through between them. Carefully, I traced the water as it weaved and wriggled towards the lake, each step along my journey brought me closer to my destination. Wherever it may be.

Can you identify any figurative language here?

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Reading Activity – Identify key features

Main task - Underline the key features as follows:

- Simile
- Metaphor
- Personification
- Fronted Adverbial
- Rhetorical Question

Challenge: How is '*Too late to escape.*' Used at the end of the text for effect?

Ahead of me was a clearing, sunlight burst through the treetops and I had to avert my eyes and look at the broken twigs and fern needles which littered the forest's floor. Several crunches and snaps beneath my feet later and I was released from the confines of the forest and I gazed out across a shimmering mirror, the light danced off the surface of the lake like a fireworks display. My jaw hit the floor and I fell to my knees in disbelief, I had finally found the mysterious lake that for so long, I had longed to find. As if struck by lightning, I jolted upright and began work on a raft which I could use to travel across the lake to see what wonders lay beyond its horizon.

After hours of searching and hammering and binding, I was ready to set sail across the calm and gentle lake, in the distance I could see colourful fish leaping out of the water which sent ripples of water which charged towards me. I paddled furiously, trying desperately to catch a glimpse of what lay beyond the lake. Suddenly, a crack rang out across the lake, followed shortly by more sharp booms and bashes, the sound of rocks being pelted by water. Did my eyes deceive me? Before me, raging like a dragon, were deadly rapids which laughed at me as they pulled me closer to my certain death. My heart was pounding, a small bead of sweat slithered down my back like a snake. It was too late to turn round. Too late to escape.

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Writing Activity – Main Task.

LO: To write a beginning to a decriptive story.

Write the opening to your river story. You will begin by either foloowing a stream or finding a forest pool like Issac in 'The Rhythm of the rain'.

- Simile
- Metaphor
- Personification
- Fronted Adverbial
- Rhetorical Question

Challenge: Can you describe all 5 of your senses in your opening?



English – Spellings and Handwriting

Learn the following statutory words:

You could use 'pyramid words', 'look – cover – write – check' or any other methods you can think of!

1. Explanation
2. Restaurant
3. Suggest

Handwriting: Write this out across 3 lines.

red red red red

Maths – Arithmetic - Division

1) $735 \div 6 =$

2) $972 \div 4 =$

3) $913 \div 2 =$

4) $705 \div 7 =$

5) $952 \div 3 =$

6) $436 \div 5 =$

7) $631 \div 8 =$

8) $625 \div 7 =$

9) $813 \div 5 =$

10) $413 \div 7 =$

Maths – LO: To describe properties of polygons.

Day 2: Describe properties of polygons.

? What makes a shape a polygon?

A polygon is a straight-sided, closed, 2-D shape.

Draw a polygon, on squared paper, using a ruler.

Hold up your polygon if it has an acute angle.

Hold up your polygon if it has a pair of parallel sides.

Hold up your polygon if it has at least one pair of perpendicular sides.







Hold up your polygon if it is regular. What does this mean? How do you know yours is regular?

? Equal length sides and angles.

Properties of polygons

Day 2 Sheet 1

Complete this table by writing a tick in each box that is 'true'.

	square 	equilateral triangle 	irregular pentagon 	regular hexagon 	regular pentagon 	octagon 
all sides the same length						
one pair of parallel sides						
more than 1 pair of parallel sides						
5 sides						
more than 4 sides						
less than 5 vertices						
no perpendicular sides						

Was there a column that was difficult to complete? Why?

Challenge

- Sometimes, Always or Never? A polygon with parallel sides also has perpendicular sides.
- Draw a polygon with three sets of parallel sides... And another, with two right angles... And another, with 7 sides.

Science – The Water Cycle



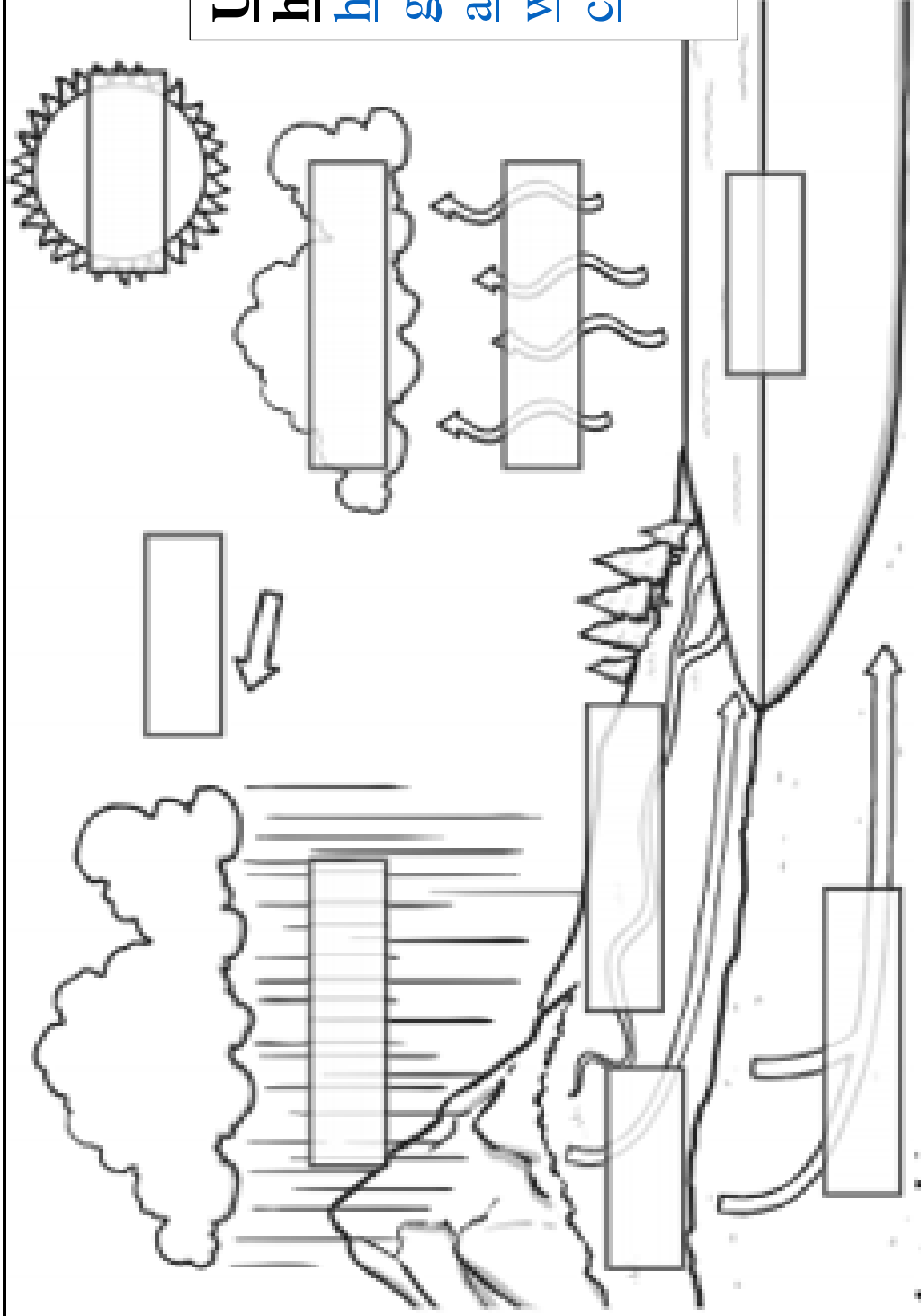
Watch this short video and take notes on the various stages of the water cycle. Pay particular attention to the key vocabulary which is used.

https://www.youtube.com/watch?v=zBnKgwnn7i4&feature=emb_logo

What do these key terms mean?

1. Evaporation =
2. Condensation =
3. Precipitation =
4. Collection =

Main Task: Label the diagram with features of the water cycle.



Use this website to
help you.
<https://www.metoffice.gov.uk/weather/learn-about/weather/how-weather-works/water-cycle>

Wednesday 3rd February 2021

Before our Zoom session at 10am please complete at least one level on reading eggs.

English – Reading Task

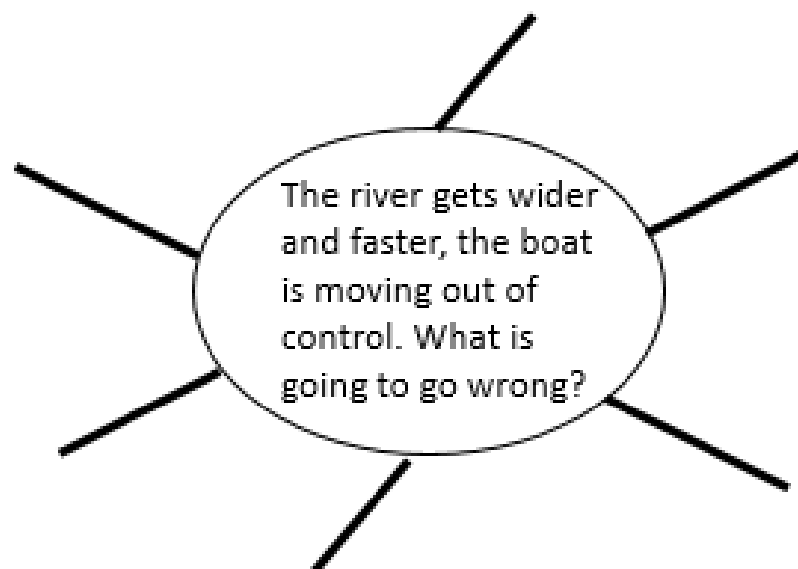
Wednesday, 3rd February 2021

LO: To use infer thoughts and feelings in a text

1. How is the character feeling at the beginning as he follows the stream? What thoughts might be going through his head?
2. How does the characters feelings change when they get to the rapids? Why?
3. What is the character feeling when he's drifting along the river? Use evidence from the text.
4. At the end of the story, what might the character be thinking? How do you know?

Challenge: Why has the author included the thoughts and feelings of the character? What effect does this have on the reader?

Writing Activity – Pre-Task.



LO: To write a middle of a decriptive story.

Write the middle of your story, where the character gets on a boat or raft and sails down the river. What danger might befall them? Does the river get dangerous? Is there a storm? Does an animal threaten the characters life?

- Simile
- Metaphor
- Personification
- Fronted Adverbial
- Rhetorical Question



Challenge: How will your character overcome their problem at the end of the story?

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English – Spellings and Handwriting

Learn the following statutory words:

You could use 'pyramid words', 'look – cover – write – check' or any other methods you can think of!

1. Lightning
2. Neighbour
3. Persuade

Handwriting: Write this out across 3 lines.

ved ved ved ved ved

Maths – Arithmetic - Challenges

Q1. Two of these numbers divide by 5 with no remainder.

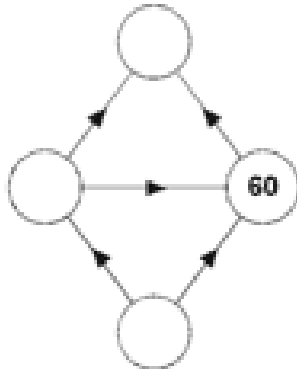
Circle the two numbers.

67 33 25 57 13 60

Q3. Write all the multiples of 3 that are greater than 18 and smaller than 28.

Q2. Write the missing numbers in the circles using these rules.

For  you multiply by 10.
For  you multiply by 5.
For  you multiply by 2.



Q4. Jenny can walk 103 metres in 1 minute.



How far can she walk in 2 minutes?

metres

Maths – LO: To investigate properties of quadrilaterals

Types of Quadrilateral

parallelogram



2 pairs of equal sides
Diagonally opposite angles are equal

trapezium



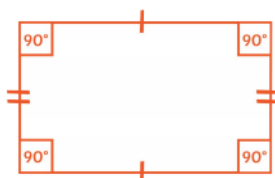
1 pair of sides are parallel

rhombus



All sides are equal
Diagonally opposite angles are equal

rectangle



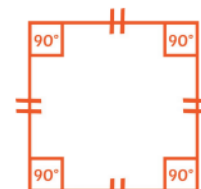
2 pairs of equal parallel sides
4 right angles (90°)

kite



2 pairs of sides of equal length
1 pair of opposite angles is equal.

square



4 equal parallel sides
4 right angles (90°)

Day 3: Investigate properties of quadrilaterals.

Explore quadrilaterals at

<https://www.mathsisfun.com/geometry/quadrilaterals-interactive.html>.

Interactive Quadrilaterals

Read about [Quadrilaterals](#), and then play with them here.
They **rotate**, too! So you can become familiar with them from all angles



Note how the other vertices and sides compensate as we move just one of the vertices, e.g. how pairs of opposite angles are always the same in a rhombus, how a trapezium will always have a pair of parallel sides, etc.

1. Name each shape.

2. Identify and label the features of each shape. Look for:

- a) Parallel lines
- b) Perpendicular lines
- c) Right angles
- d) Sides that are equal/unequal

Use a ruler to measure each side!

Challenge: Can you identify the angles in these shapes?

For more fun with angles, Google:
'maths is fun geometry quadrilaterals'

1)



2)



3)



4)



5)



6)



7)



8)



9)



10)



11)



12)



PE – Shooting Skills

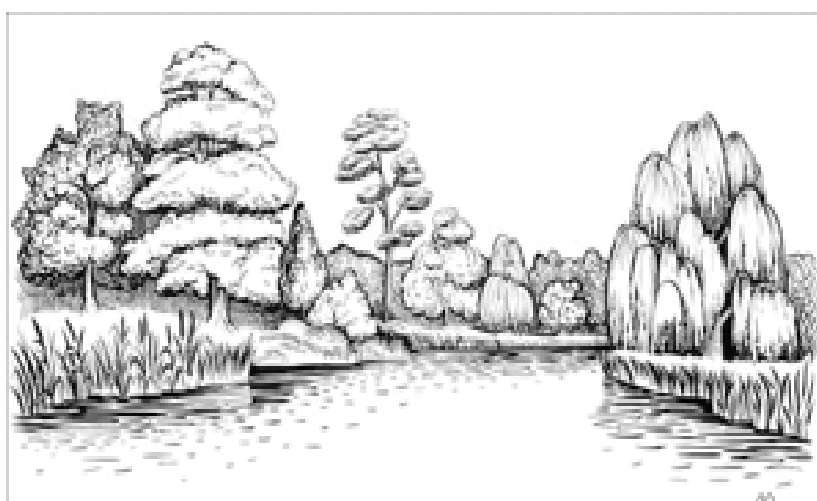
To find this week's challenges, go onto [Flipgrid.com](https://flipgrid.com) and use the joining code: Hillwest where you will find the challenges from previous weeks and this week for you to have a go at!

- **Challenge 1:** Firing at a target using the inside of your foot. (Make goal smaller/larger to suit your skill level)
- **Challenge 2:** Knock-em-down – Line up 10 objects, each 30cm apart and try and knock-em-down using your accurate shooting skills.

Art – Drawing a River Scene

Follow the steps in this short instructional video and have a go at drawing your very own river scene in pencil. (Please do not add colour yet!!!) Use shading to add texture and shadows to your art.

<https://www.youtube.com/watch?v=pEgVjfSSELs>



Thursday 4th February 2021

Before our Zoom session at 10am please complete 30 minutes on TTRS.

English

Thursday 4th February, 2021

LO: To predict what happens next in the story

As the sun begun to set across the sky, a bronze glow crept up from the horizon. My raft steadily rocked on, faster and faster. Until. Crashing, like that of a drum set being hurled off a cliff burst out from in front of me, the river ahead appeared to fall off into nothingness. Unmistakably, I was about to fire off the end of a waterfall, like a rocket leaving the Earth's atmosphere. My heart raced, my weary hands clenched to raft once again, my eyes drooped closed, defeated. There was no surviving this.

Main task: Use your creativity and ideas to write the final paragraph of the story.

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Writing Activity

Main Task: Write the ending to your story! You must include a cliff hanger to keep your audience thinking about what happens next.

Is your character going to go over the edge of a waterfall, does their boat sink, do they get stuck in the ocean?

Challenge: Why do writers use a cliff hanger? What is its effect on the reader?



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English – Spellings and Handwriting

Learn the following statutory words:

You could use 'pyramid words', 'look – cover – write – check' or any other methods you can think of!

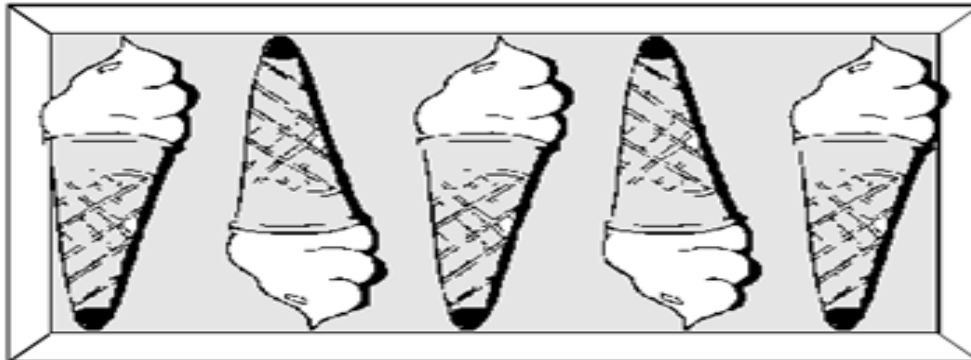
1. Twelfth
2. Symbol
3. Excellent

Handwriting: Write this out across 3 lines.

ves ves ves ves ves

Maths – Arithmetic- Challenges

Q5. There are 5 ice-creams in a box.



Alex buys 7 boxes of ice-creams.

How many ice-creams does she buy altogether?

Q6. Write the answer.

(a) $36 \times 5 =$

1 mark

(b)

Show your **working**.
You may get a mark

1 mark

Q7. Write the missing numbers.

(a) $20 \times 4 = \boxed{}$

(b) $48 \div \boxed{} = 24$

Q8. Write in the **missing** number.

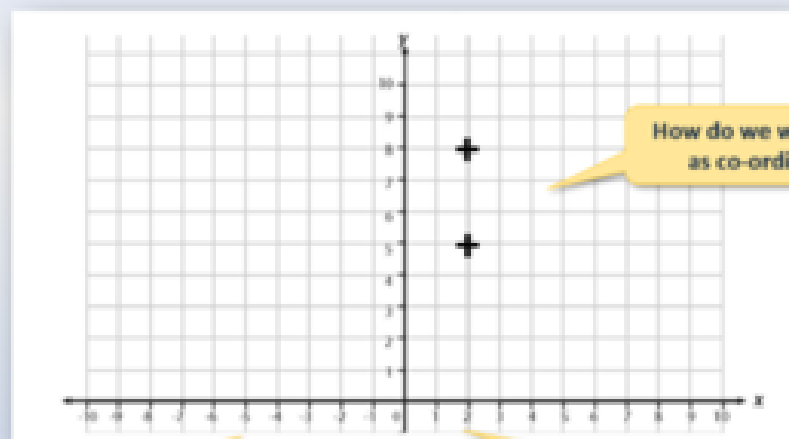
$12 \times \boxed{} = 36$

Q9. Write the answer.

$37 \times 10 =$

Maths – LO: To plot co-ordinates and draw polygons in two quadrants.

Day 1: Plot co-ordinates and draw polygons in two quadrants.

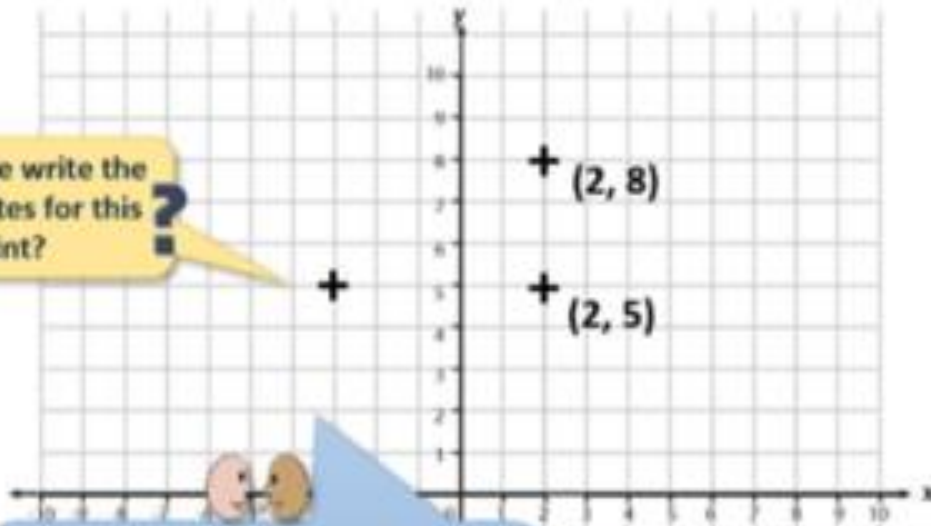


Look how the numbers on the x-axis to the left of the y-axis are negative numbers, counting back.

The x-axis goes across.
When reading and plotting, the x co-ordinate goes first and then the y.
Walk before you fly!

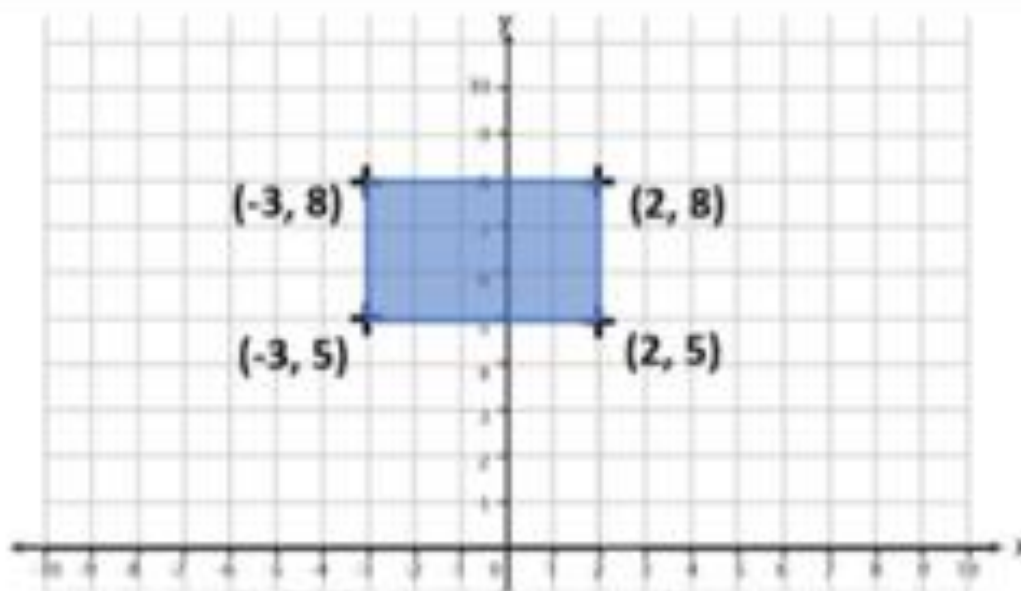
Day 1: Plot co-ordinates and draw polygons in two quadrants.

How do we write the co-ordinates for this point?



These are three of the four vertices of a rectangle. Talk to your partner about what the co-ordinates of the missing vertex would be.

Check on next page!



Negative

Positive

Positive

Negative

Main Activity

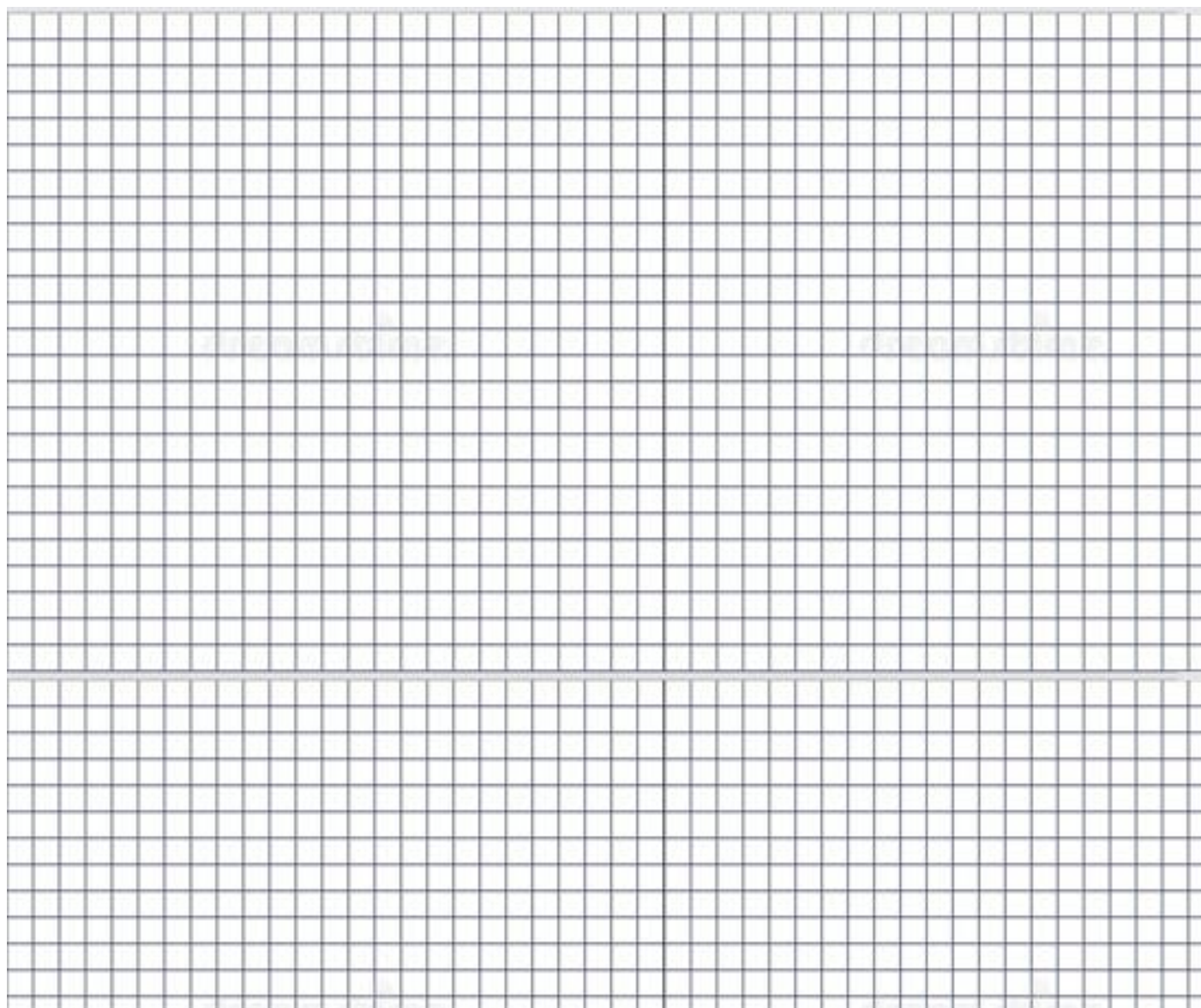
Use a ruler to draw axes for each question, like the ones used earlier in the lesson.

1. Plot these points to make squares. Use a different colour for each.
 - a) $(1, 2), (1, 7), (6, 2), (6, 7)$
 - b) $(-4, 0), (-4, 4), (0, 0), (0, 4)$
 - c) $(-8, 2), (-2, 2), (-2, 8), (-8, 8)$
 - d) $(-1, 9), (-1, 5), (3, 9), (3, 5)$
2. Plot these points to make rectangles. Use a different colour for each.
 - a) $(0, 7), (9, 3), (9, 7), (0, 3)$
 - b) $(-4, 3), (-4, 0), (0, 3), (0, 0)$
 - c) $(-6, 4), (1, 8), (1, 4), (-6, 8)$
 - d) $(7, 9), (-1, 5), (7, 5), (-1, 9)$
3. Plot the three points. Work out the fourth point to make a square. Write down its co-ordinates. Draw the square. Use a different colour for each.
 - a) $(-1, 2), (1, 2), (1, 0), (\quad, \quad)$
 - b) $(-2, 9), (1, 9), (1, 6), (\quad, \quad)$
 - c) $(-1, 7), (-1, 3), (3, 3), (\quad, \quad)$
 - d) $(-3, 1), (-7, 5), (-3, 5), (\quad, \quad)$

Challenge

Plot the two points. Work out the two other points to make a square. Write down their co-ordinates. Draw the square.
 $(-2, 1), (4, 1), (\quad, \quad), (\quad, \quad)$

Are there any other possibilities?
Plot and draw as many as you can, using a different colour for each.



Topic- Computing

Today as part of your computing session you will be going on to the website <https://Codeforlife.education/rapidrouter/80/#>

where you will be using your coding skills to help deliver parcels to the right location. (See tutorials on earlier levels to help).



Use the movement blocks in a sequence to guide the delivery van along its route. You can even use the REPEAT block to simplify your code!



Friday 5th February 2021

Before our Zoom session at 10am please complete 30 minutes on TTRS or at least 1 level on Reading Eggs.

English **Friday 5th February 2021**

LO: To retrieve information from the text

The Water Cycle

- 10 More than three quarters of the Earth's surface is water.
- 20 Heat from the Sun causes water to evaporate from seas,
- 28 lakes, rivers and streams. Water also evaporates from
- 39 puddles and ponds. It doesn't even need to be hot for
- 50 this to happen! When the water has evaporated, it is in
- 61 the form of water vapour, which rises in the air, clumps
- 70 together and cools down (condenses) to form clouds. As
- 78 more water vapour condenses, more water droplets are
- 87 formed in the clouds. Eventually, the water droplets are
- 99 large and heavy enough to fall back to the surface of the
- 107 Earth as precipitation (rain, sleet, hail or snow).



Quick Questions



1. Find and copy two words that mean the same as 'ground'



2. In which four ways can precipitation fall?




3. Summarise the main points of this text in 20 words or less.



4. List all of the places where water is found on Earth.

Writing Activity – Editing your work

<u>Key Features to include:</u>	
• Similes/ Metaphors	
• Fronted adverbials	
• Personification	
• High-level adjectives and adverbs	
• Cliff-hanger ending	
• Expanded noun phrases	

Look through your work and check it for capital letters and full stops.

Then, check for any low-level language which can be up-levelled using a thesaurus.

Finally, use the checklist to check how many of the key pieces of figurative language you have used.

Challenge: Can you include hyperbole in your writing?

English – Spellings and Handwriting

Learn the following statutory words:

You could use 'pyramid words', 'look – cover – write – check' or any other methods you can think of!

1. Attached
2. Correspond
3. Immediately

Handwriting: Write this out across 3 lines.

rec red ved

Maths – Arithmetic – Challenges

Q10. Rob has some number cards.



He holds up a card.

He says,

'If I multiply the number on this card by 5, the answer is 35'.

What is the number on the card?

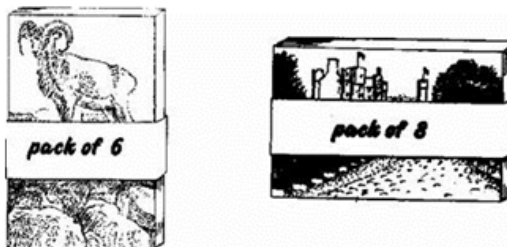
He holds up a different card.

He says,

'If I divide the number on this card by 6, the answer is 4'.

What is the number on the card?

Q11. A shop sells postcards in packs of 6 and packs of 8.



Alan bought 4 packs of 8 cards.

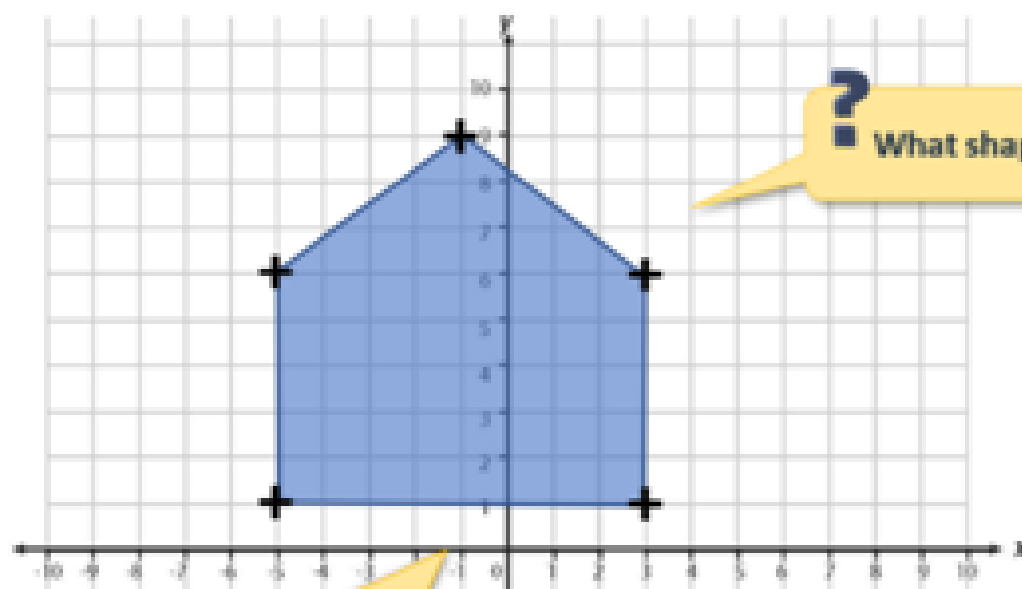
How many cards did he get?

Shereen bought some packs of 6 cards.

Altogether she has 30 cards.

How many packs of 6 did she buy?

Maths – LO: To consolidate plotting coordinates in two quadrants

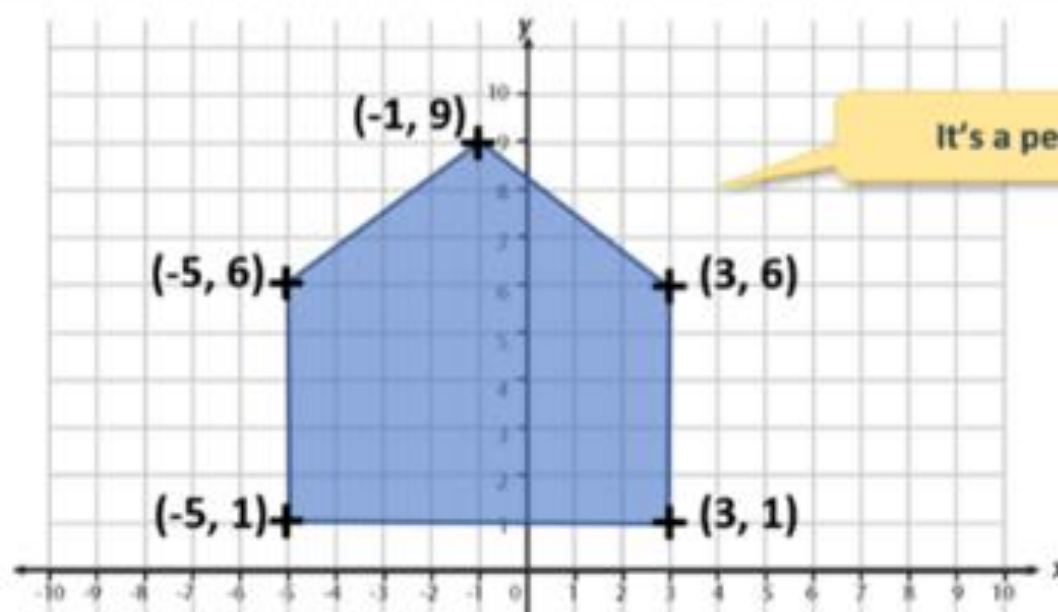


What shape is this?

Label the co-ordinates of its vertices.



Check on next page!



It's a pentagon!

Main Activity

Choose five different coloured pencils.

Join the first set of points using one colour, then translate the shape, marking its new position in the same colour.

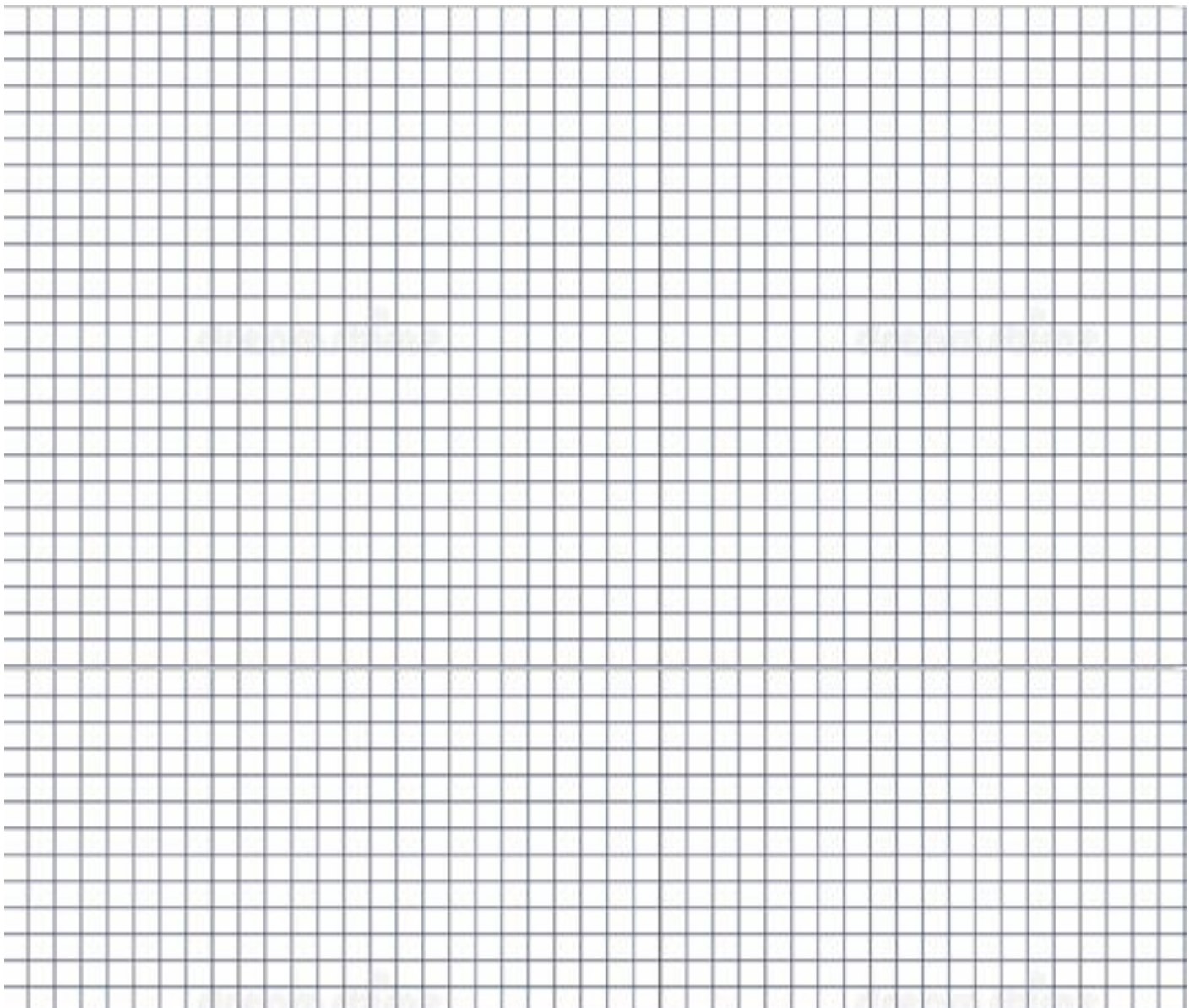
Write the new co-ordinates at each vertex.

Repeat for each set of points in a different colour.

1. (1, 1), (1, 4), (5, 4), (5, 1). Translate the shape 2 squares to the left.
2. (1, 9), (2, 8), (4, 8), (5, 9), (4, 10), (2, 10). Translate the shape 3 squares down.
3. (-5, 5), (-5, 6), (-2, 5). Translate the shape 4 squares to the right.
4. (-8, 1), (-6, 3), (-2, 3), (-4, 1). Translate the shape 5 squares to the right.
5. (6, 6), (7, 7), (9, 7), (10, 6). Translate the shape 5 squares to the left.

What happens to the co-ordinates when you move a shape up? And down?

What happens when you move a shape to the left? And right?



French – To have – Avoir.

Follow this link to the BBC Bitesize lesson on the verb Avoir- 'To have'.

<https://www.bbc.co.uk/bitesize/topics/z6d98xs/articles/z9c4f82>

Watch the introductory video and then find out how to say:

1. I am 9/10 years old =
2. I have 3 dogs =
3. I am hot =
4. I have a headache =
5. I have blue eyes =

Challenge: Have a go at the quiz at the end of the web-page.

My River Journey



Faintly, I could hear the trickling of a stream, jingling and jangling like the set of keys in my pocket. Above me, reaching up to the sky like giants were the redwood trees of the ancient forest, they had seen decades come and go and countless adventurers walk beneath their shady canopy. They were the guardians of the secret stream, keeping it hidden and listening to its quiet whispers as it wound through between them. Carefully, I traced the water as it weaved and wriggled towards the lake, each step along my journey brought me closer to my destination. Wherever it may be.

Ahead of me was a clearing, sunlight burst through the treetops and I had to avert my eyes and look at the broken twigs and fern needles which littered the forest's floor. Several crunches and snaps beneath my feet later and I was released from the confines of the forest and I gazed out across a shimmering mirror, the light danced off the surface of the lake like a fireworks display. My jaw hit the floor and I fell to my knees in disbelief, I had finally found the mysterious lake that for so long, I had longed to find. As if struck by lightning, I jolted upright and began work on a raft which I could use to travel across the lake to see what wonders lay beyond its horizon.



After hours of searching and hammering and binding, I was ready to set sail across the calm and gentle lake, in the distance I could see colourful fish leaping out of the water which sent ripples of water which charged towards me. I paddled furiously, trying desperately to catch a glimpse of what lay beyond the lake. Suddenly, a crack rang out across the lake, followed shortly by more sharp booms and bashes, the sound of rocks being pelted by water. Did my eyes deceive me? Before me, raging like a dragon, were deadly rapids which laughed at me as they pulled me closer to my certain death. My heart was pounding, a

small bead of sweat slithered down my back like a snake. It was too late to turn round. Too late to escape.



CRASH! BANG! WHALLOP! My make-shift raft was getting battered from all sides, I felt like a soldier at war battling my way out of the trenches of Normandy. I closed my eyes and breathed a deep, regretful breath, trying to silence the cacophony of the wicked waves which screamed around me. In that moment of

calm among the chaos I decided that I would not give up, today would not be my last! Hanging on for dear life at each turn, rocked with the water and rolled with the rocks, I could feel the ferocity of the river growing weaker. The river widened, and quickened, but the onslaught had stopped, had I survived the worst of it?

Carefully, I inspected the damage which my raft had sustained and although it was barely held together by the twisting vines I had used, it remained afloat, and my journey could continue. The air smelt fresh and crisp, and in every direction, I could see flat fields and rolling hills beyond. I lay back on my raft and stared up at the sky, not a cloud in sight, as blue as a sapphire, I could easily have been rocked to sleep right there and then. But beneath my raft, the pace of the river continued to speed up, like a drag racer preparing to launch. A calm before the storm ahead.

As the sun begun to set across the sky, a bronze glow crept up from the horizon. My raft steadily rocked on, faster and faster. Until. Crashing, like that of a drum set being hurled off a cliff burst out from in front of me, the river ahead appeared to fall off into nothingness. Unmistakably, I was about to fire off the end of a waterfall, like a rocket leaving the Earth's atmosphere. My heart raced, my weary hands clenched to raft once again, my eyes drooped closed, defeated. There was no surviving this.

