



HILL WEST
Primary

FOUR OAKS

Home Learning Pack

Year 5;
Week Beginning 03.05.21



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=Mjk5MzQ6MTpJUjA5MjAxNjoyOmNsaWVudDE2OTc6MTY5NzoyMjE2Mjg4OjE6MTU4NDM4MDEzMzA2Mjp1cw%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.

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 3: What kind of resistance helped a Viking Knarr float?

Key Text for Linked Learning: The Saga of Bjorn (Visual Literacy)

Linked Learning: English, DT, Science

In English, the children will watch the short animated film The Saga of Bjorn. The children will use their inference skills to understand the events of the story and place these in chronological order. Children will also infer the feelings of the characters at different stages in the animation. In addition to their inference skills, children will evaluate the directors' choices throughout the animation to display powerful messages without dialogue or text. Children will investigate the active and passive verb forms in sentences. The children will write their own Viking Quest Saga based on The Saga of Bjorn, using cohesion and experimenting with the active and passive verb forms. In addition, they will consider formality of tone and how speech is used to enhance a text. In DT, children will investigate the construction of the hull of the Longship, with a specific focus on why their use of overlapping planking gave the Longship an advantage over other boat designs of the dark ages. They will also investigate how the Vikings made the hull waterproof by placing animals hair dipped in tar between the planks, sometimes they used moss. Children will explain why the Viking choice of material and components was appropriate for their function in the boat. Children will create cross-sectional drawings to develop and communicate their ideas for their own boats. In Science, children will explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. Children will also learn about the effects of water resistance, that acts between moving surfaces. Children will create a boat out of tin-foil and test this on a short water course to see the effects of buoyancy and water resistance.

Maths: This week, children will revisit area and perimeter, they will distinguish between the two measures and establish how to calculate perimeter (by adding the outer sides of a shape) and area (multiplying the length x width). Children will split rectilinear shapes into quadrilaterals to calculate their areas. Children will also be introduced to the concept of volume (L x W x H). We will discuss the language for centimetres squared (cm²) and centimetres cubed (cm³).

Science: See above.

Geography: Children will revisit their knowledge of rivers in Britain from Year 4, and of coastlines from the Spring Term. They will learn about the places in Britain that the Vikings attacked, creating a labelled map and developing their understanding of why the Viking Longship gave them an advantage against the people living in Briton at the time.

Design Technology: See above

P.E: Children will take part in small-sided games of tag-rugby, they will work on changing direction at speed and passing the ball with some success whilst being carried. Children will use their skills in different game scenarios and environments which will test their passing, teamwork and movement skills.

MFL: Children will continue to learn about the parts of the body and how they move, they will recap on the learning of the body parts in the previous week and extend this by discussing how they work/move. (pliez, tendez, liez, tenez).

Key Vocabulary

Heathen compass invader plunder expedition medieval conquest brutality foreign descendants

Tuesday 4th May 2021

English

LO: To place the events of a story in chronological order.



Handwriting: ried ried ried ried

Reading Skills

What do you know is happening from this picture?
Name 5 things...



I know this because....

<https://www.youtube.com/watch?v=MV5w262XvCU>
(Watch the Saga of Bjorn)

Why has this film been created?

What is the title of this film?



Who are the target audience for this film?

Who is Bjorn?

Main Task: Ordering the events of the story

Event	Order in the film
Bjorn ends up in Christian heaven.	1 2 3 4 5 6 7 8
The gates of Valhall open in front of Bjorn.	1 2 3 4 5 6 7 8
Bjorn defeats his first opponent who falls off the cliff.	1 2 3 4 5 6 7 8
Bjorn is slain by the giant.	1 2 3 4 5 6 7 8
The warrior is scooped up by an eagle.	1 2 3 4 5 6 7 8
Bjorn hears the screams of a woman and runs to her aid.	1 2 3 4 5 6 7 8

Challenge: What could an alternative name for this film be? Name 3 possibilities.

PAG

Can you edit and improve this piece of text to include accurate Punctuation?

Some might ask who is this Viking and what made him throw a dwarf off a cliff to find out we have to go back in time this aging once mighty warrior is on his final journey seeking a worthy death in honorable battle only then will he be allowed to enter Valhalla hall of the mighty gods of the North the only real hope for a true Viking if he fails he will find himself in agonizingly boring Helheim this is the saga of Bjorn.

Spellings:

Write as many words which have the combination 'ie' in them:

Eg: Die, Lie and Quiet.

Maths

Tuesday 4th May, 2021

LO: To investigate area of a shape



Round these numbers to the nearest 100,000:

265,987

123,456

741,963

789,321

SATs style questions

4	<div style="border: 1px solid black; width: 100px; height: 50px;"></div>	+ 5 = 341	
<div style="border: 1px solid black; width: 40px; height: 40px; display: inline-block;"></div> 1 mark			

Area

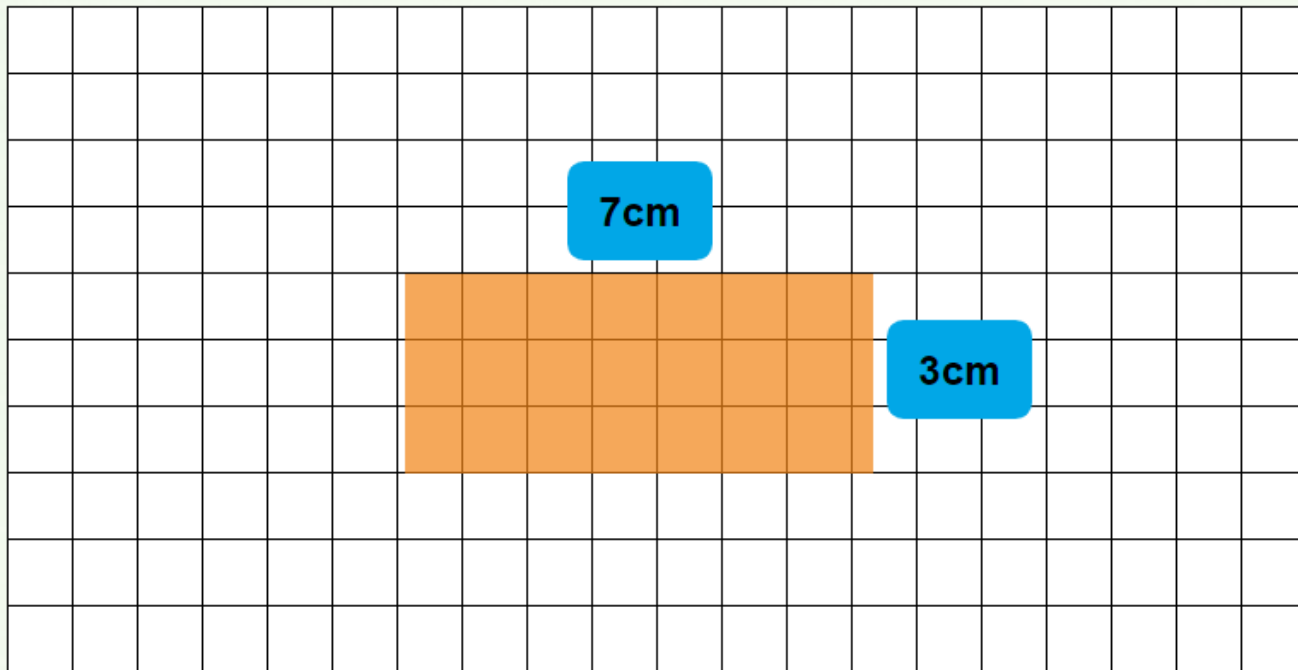
What is area?

What does the calculation look like?

Area = length x width

$$A = l \times w$$

Area measures the surface inside a shape. Click on the width and the length to add them to the calculation. Then multiply the width and length to find the area of the shape.



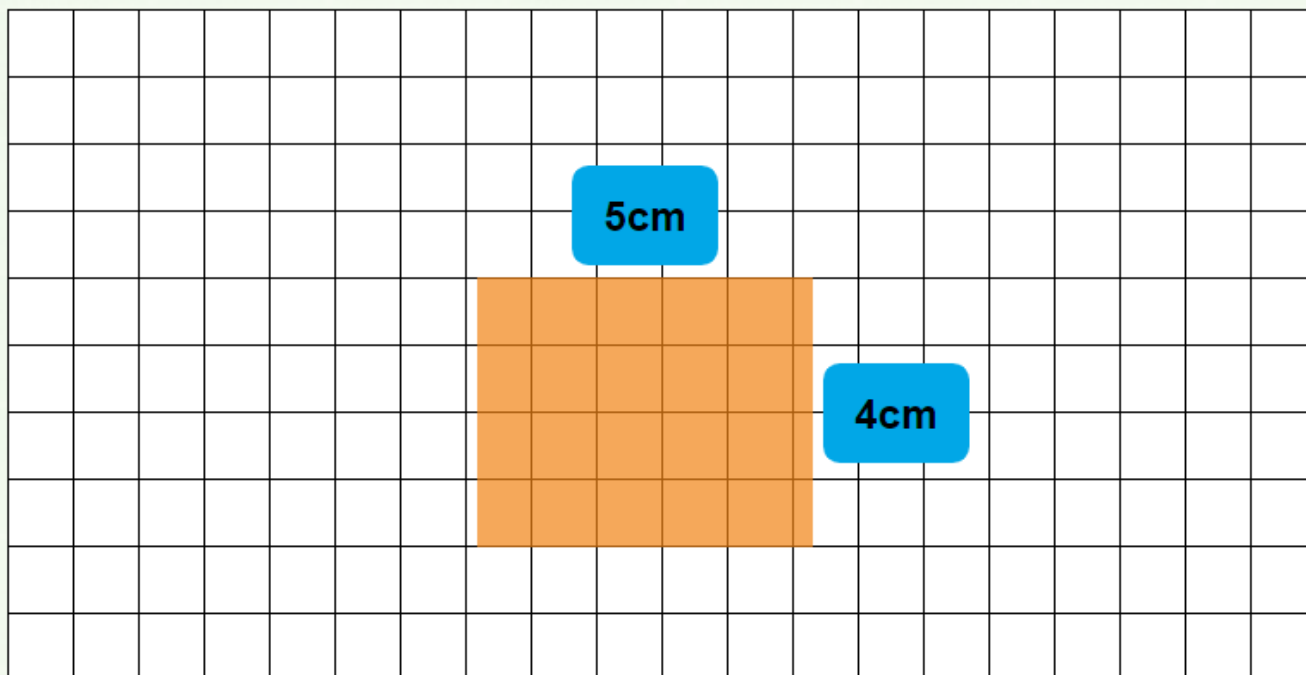
Show
answer

$$?cm \times ?cm = 21cm^2$$

Next

Menu

Area measures the surface inside a shape. Click on the width and the length to add them to the calculation. Then multiply the width and length to find the area of the shape.



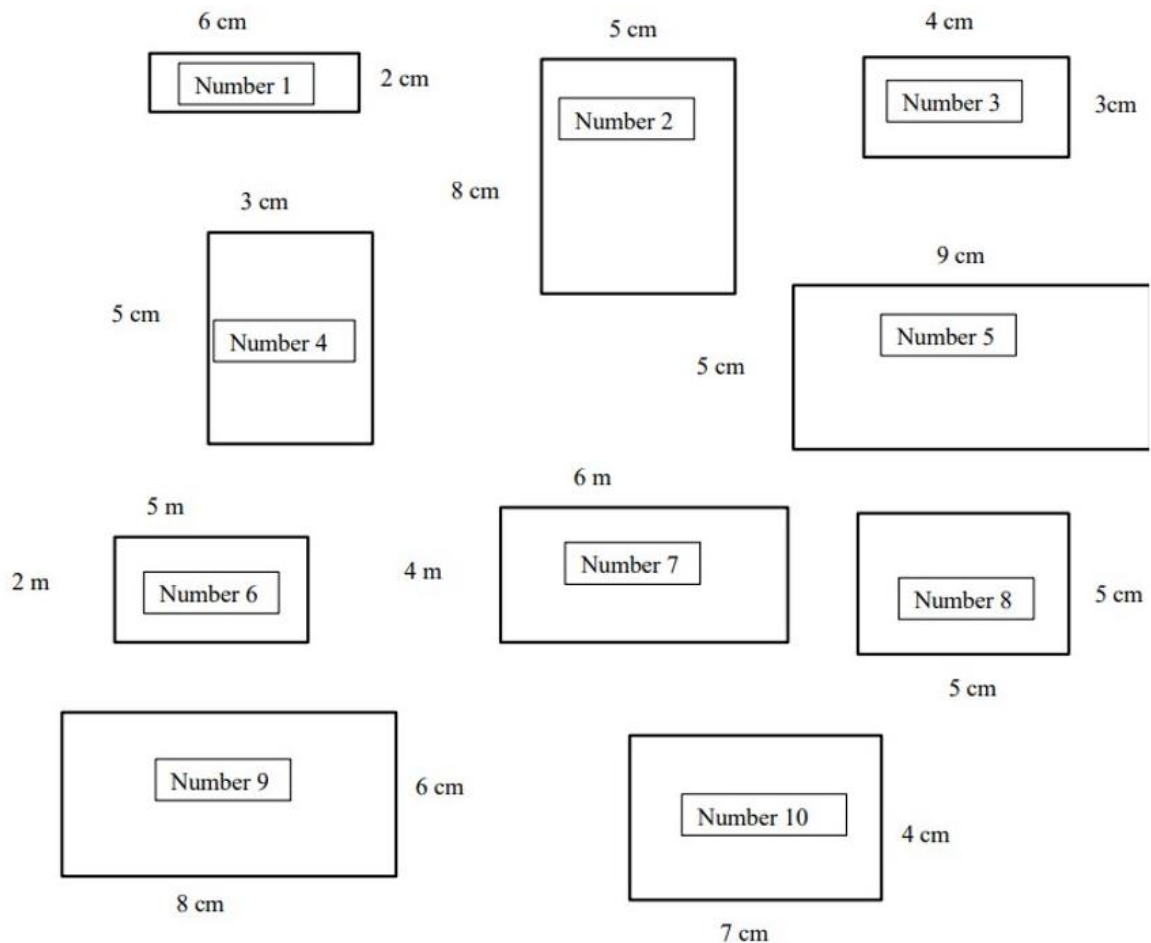
Show
answer

$$?cm \times ?cm = 20cm^2$$

Next

Menu

Main Task



Tuesday 3rd May

Science – Boat Buoyancy Experiment

LO: To design and make a tin-foil boat to hold
weight and remain buoyant.

<https://www.youtube.com/watch?v=vnlie8YQP8U&t=1s>

(Watch this short video clip)

Design a boat out of tin foil.

You will have a 15cm x 15cm square of foil.

It must be able to float.



The best boats will be able to take the weight of the most pennies.

Think carefully about the design of your boat.

Time to test it!

You will compete vs another pair to see whose boat can withstand the most weight, and therefore which design is more buoyant. **Make a prediction about which boat will be the most buoyant.**



Be prepared to take notes as you are going along, you will be writing up your experimental results comparing your two boats afterwards.

Writing up your experiment

1. **Hypothesis:** Which design will win? Why is this design superior?
2. **Method:** What were you measuring in your experiment? How did you test out your method?
3. **Results:** What were the results? Which team won?
4. **Conclusion:** What made the winning design better at floating? How could you improve your design for next time?

Challenge: What would change if you used a greater amount of tin foil?

Wednesday 4th May 2021

English

LO: To interpret how a character is feeling during a story.



Handwriting: nes nes nes nes

Reading Skills- Interpret

How does Bjorn feel at this point? Write 3 sentences in first person, explain what emotions and thoughts are going through Bjorn's head.

Challenge: Why are all of these gold items appearing on Bjorn?



<https://www.youtube.com/watch?v=14151202170>
(Watch the Saga of Bjorn)

Characters Feelings

How does Bjorn Feel? (5 Words for each)

Beginning:

Middle:

End:

Main Task: How does Bjorn feel at each point?

Explain what is happening in each scene and how Bjorn might be feeling.

1)



2)



3)



Challenge: Why do the animators choose not make Bjorn speak? Explain your reasoning.

SPAG

Edit this text to include accurate spellings and punctuation, check any unfamiliar spellings using a dictionary.

Bjorn is an aging viking, he is hairy and **big** and round he is desprate to get into Valhall (the viking heven) where he will enjoy all of the **great** things there. Unfortunatly the only way he can get to Valhall is by bravley dying in battel, or else he will end up in rubbish **cold** Hellheim.

Challenge: Can you find 3 synonyms for the words in bold?

Maths

Wednesday 5th May, 2021

LO: To investigate area of compound shapes.

Complete the statements so they are true.

$$3,47_,098 > 3, _79,098$$

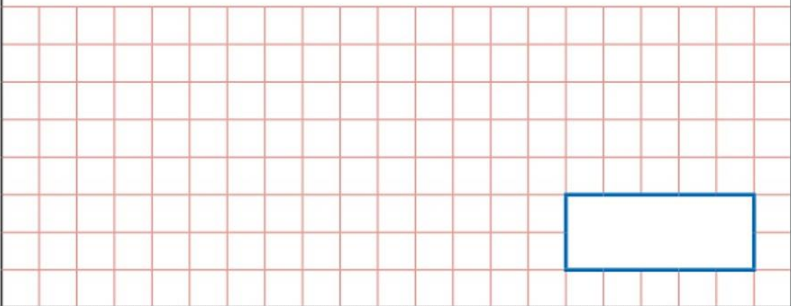
$$9,_23,582 < 9,713,145$$

Is there more than one option?

SATs style questions

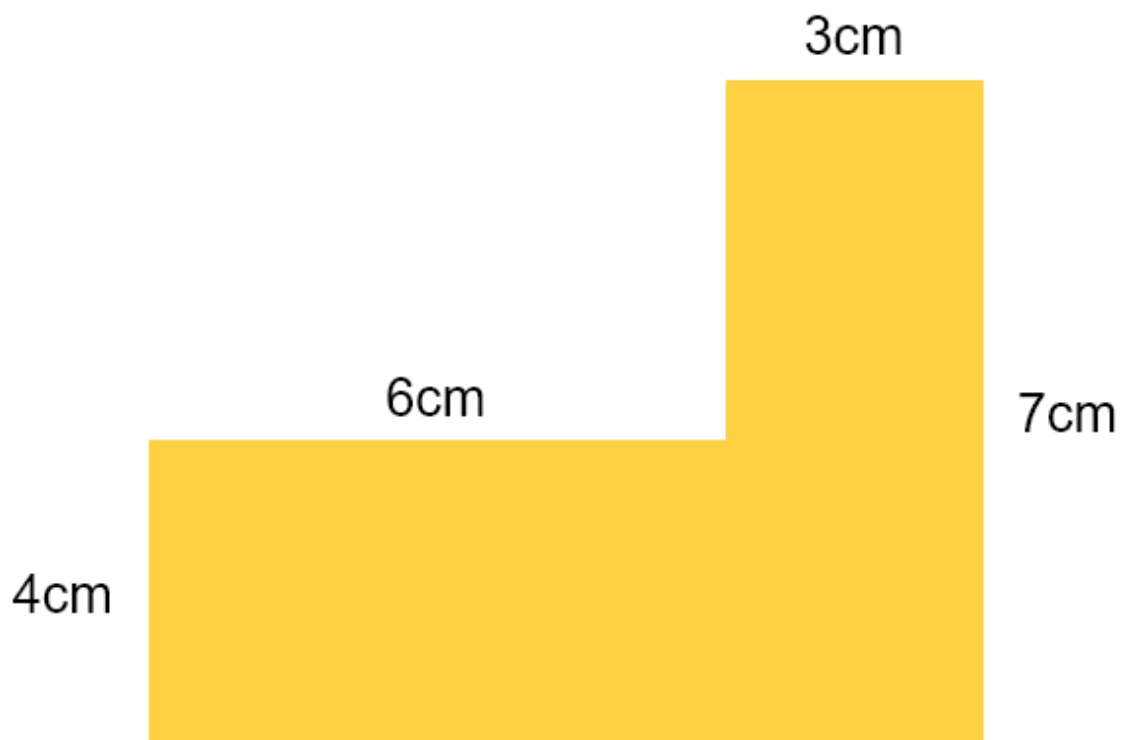
8	$120 \div 12 =$  <div data-bbox="963 1653 1158 1731" style="border: 1px solid blue; width: 122px; height: 35px; margin: 10px auto;"></div>	<div data-bbox="1222 1648 1276 1704" style="border: 1px solid black; width: 34px; height: 25px; margin: 0 auto;"></div> <div data-bbox="1219 1715 1279 1736">1 mark</div>
----------	---	---

SATs style questions

7	$180 \div 3 =$	<div></div> 1 mark
		

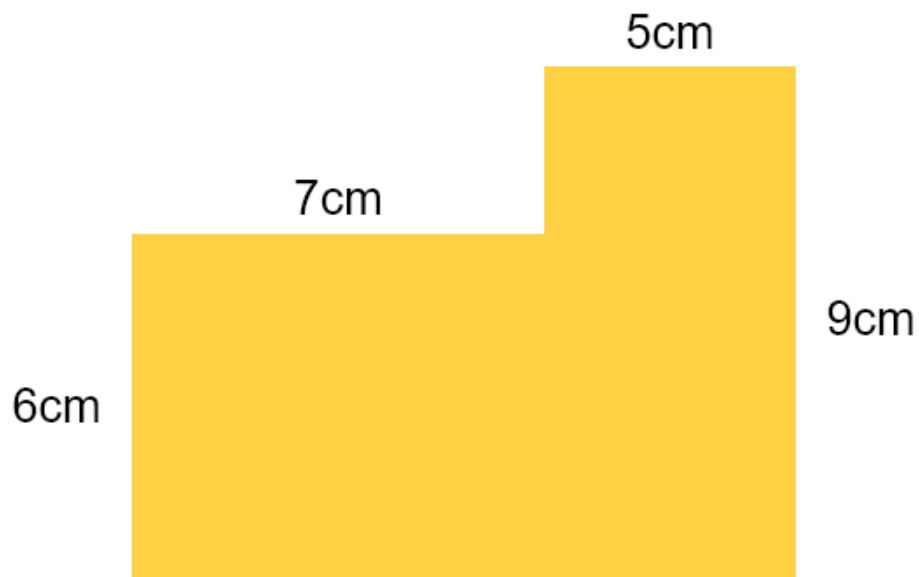
Compound Area

Calculate the area of this compound shape:



Compound Area

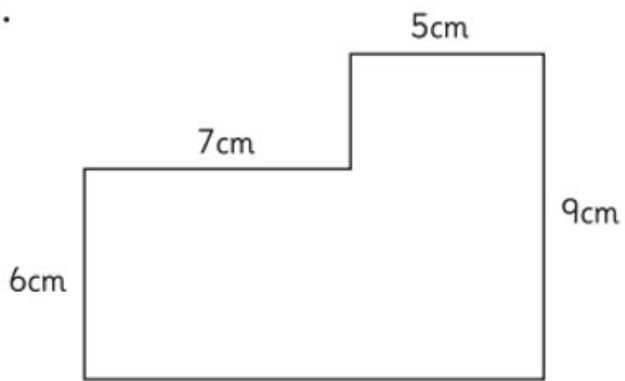
Calculate the area of this compound shape:



$$\text{Area} = (6\text{cm} \times 7\text{cm}) + (5\text{cm} \times 9\text{cm}) = 42\text{cm}^2 + 45\text{cm}^2 = 87\text{cm}^2$$

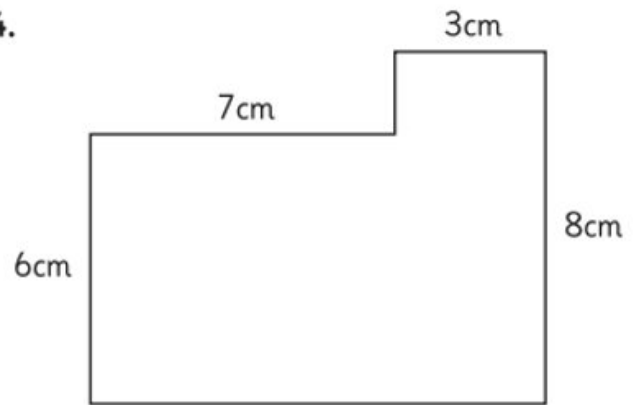
Main Task

1.



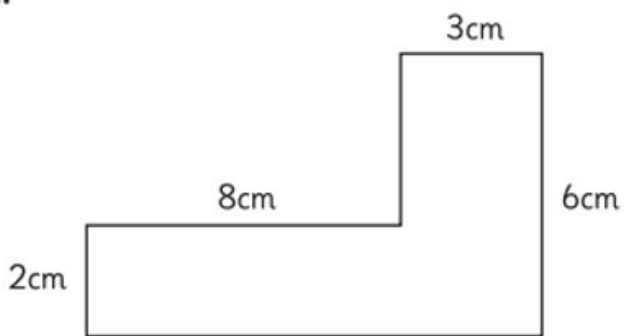
Area =

4.



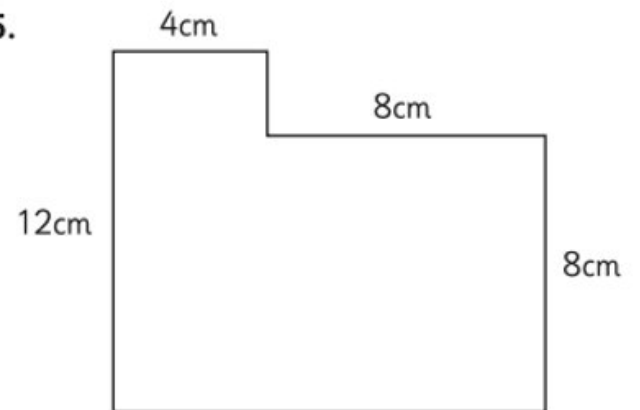
Area =

2.



Area =

5.



Area =

Challenges:

7) Emma would like some new wallpaper for her bedroom. Her walls have a length of 5m and a width of 7m. How much wallpaper would she need to buy to **cover** a wall?

Answer: _____

8) Emma would also like a nice border to go with her new wallpaper. Her walls have a length of 5m and a width of 7m. How much border paper would she need to buy to go **around** a wall?

Answer: _____

9) Farmer Jack is building a new pen for his pigs. The pen has a length of 8m and a width of 4m. How much room is there **inside** the pen?

Answer: _____

Thursday 3rd May 2021

English

LO: To retrieve information from the animation.



Handwriting: nef nef nef nef nef

Reading Skills

How did you feel when you first met the axe-wielding ninja Viking?



How did your impressions of this character change?

[https://www.youtube.com/watch?v=...](#)
(Watch the Saga of Bjorn)

Main Task: Retrieval Questions

1. Name 3 of the golden items which Bjorn receives on the steps to Valhall.
2. What is the difference between Valhall and Helheim?
3. What kind of building is being burnt down?
4. Which animal swooped in to take away Bjorn's 6th opponent?
5. What is the weather like when Bjorn hears the villagers screams?
6. Which weapon did Bjorn's first opponent wield?
7. What colour is Bjorn's Tunic?
8. What replaces Bjorn's helmet at the end of the animation?

Challenge: Write a review of the 'Saga of Bjorn', rate it out of 5 stars and explain what you enjoyed/ disliked about it.

Maths

Thursday 6th May, 2021

LO: To consolidate area of shape

Here are the sizes of 6 Premier League club football pitches. Calculate the area of each pitch and write them in order from smallest to largest, using number 1 as the smallest and 6 as the largest.

Arsenal

114yds



74yds

Chelsea

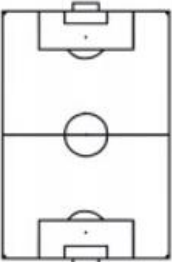
110yds



75yds

Liverpool

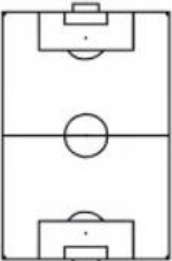
110yds



74yds

Manchester United

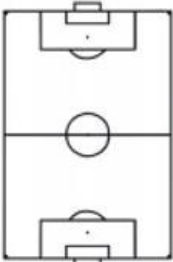
115yds



74yds

Manchester City

114yds



78yds

Tottenham Hotspur

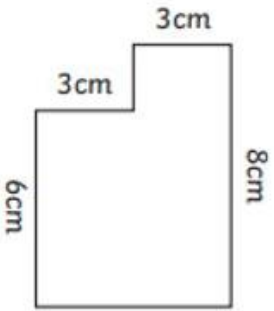
110yds



73yds

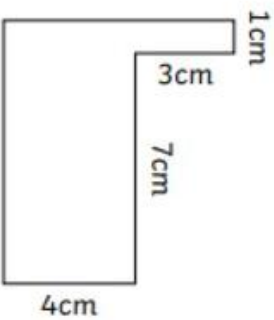
Identify the shapes where the area can be calculated. Calculate the area of each compound shape.

1.



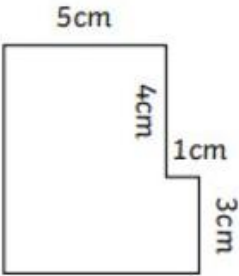
Total: _____

2.



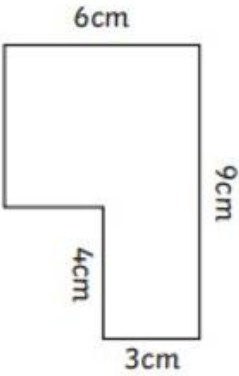
Total: _____

3.



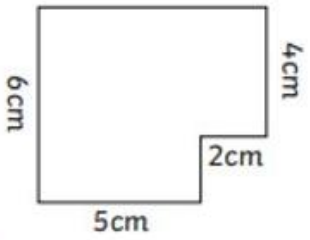
Total: _____

4.



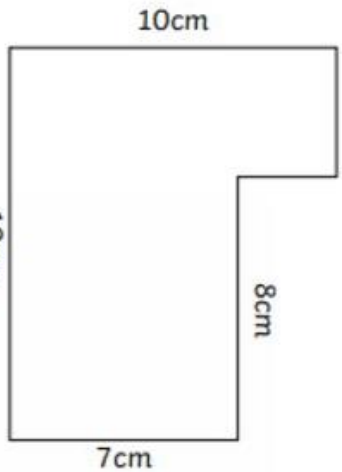
Total: _____

5.



Total: _____

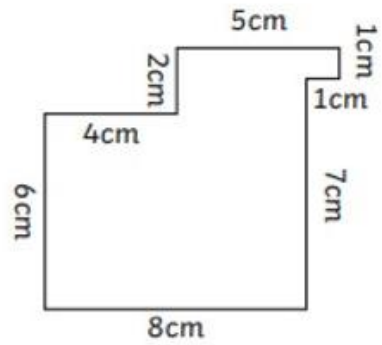
6.



Total: _____

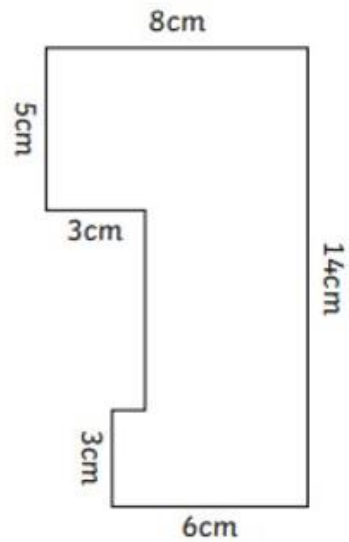
Identify the shapes where the area can be calculated. Calculate the area of each compound shape.

7.



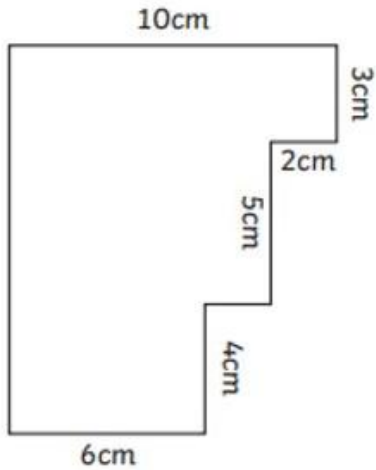
Total: _____

8.



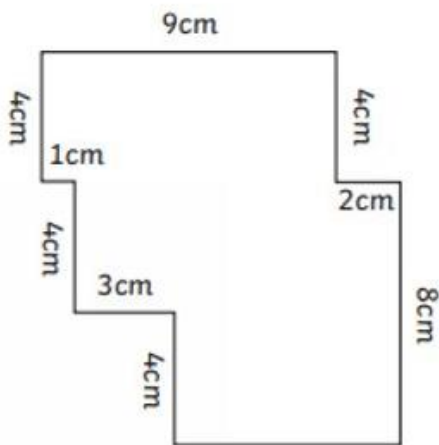
Total: _____

9.



Total: _____

10.



Total: _____

Friday 4th May 2021

English

LO: To discuss the choices made by the animator.

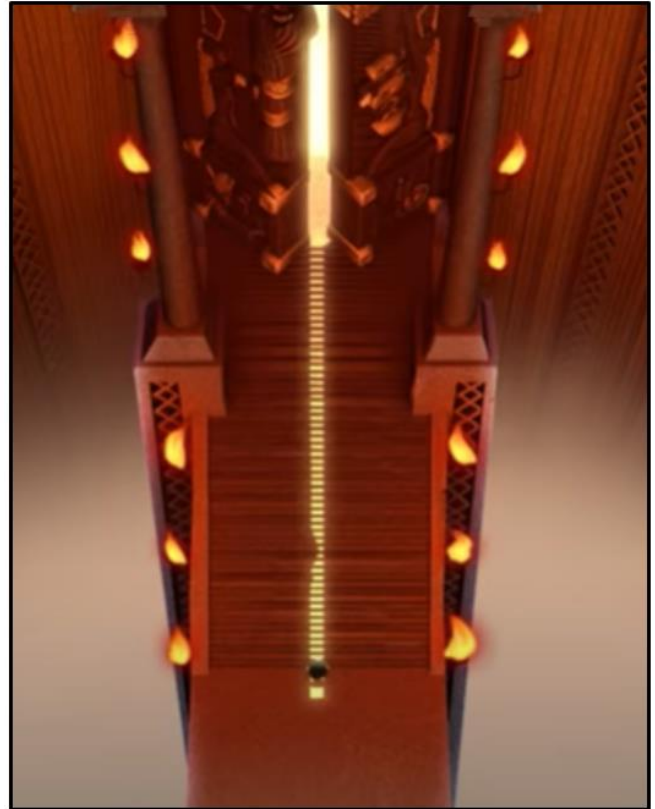


Handwriting: nef nef nef nef nef

Reading Skills

If Bjorn could speak at this point in the story, what would he say? Write 3 short sentences from the perspective of Bjorn, describe what he can see.

Challenge: Can you include Hyperbole?







<https://www.youtube.com/watch?v=1234567890>
(Watch the Saga of Bjorn)

Main Task: Directors' Choices

1. Why does the narrator begin describing Bjorn, and then stop?
2. How did the directors' make Bjorn seem tough and scary?
3. Why did the director decide to not let Bjorn go to Valhall?
4. How is humour used in this story? Why has it been included?

Challenge: What would happen next in the Saga of Bjorn?

PAG: Can you help turn these YouTube comments about 'The Saga of Bjorn' into **direct speech**?

- 1)  Pedro Villela 6 years ago
the saddest ending possible for such a beautiful story
👍 670 🗨️ REPLY
- 2)  kaguth 5 years ago
This is so funny. I love the rotating afterlife wheel.
👍 605 🗨️ REPLY
- 3)  The Realist 1 year ago
REMAKE THIS AND PUT BIORN WHERE HE BELONGS.
👍 17 🗨️ REPLY
- 4)  MrBabbolo 2 years ago
I felt phisical pain for the ending.
👍 10 🗨️ REPLY

Spellings - Statutory Spellings

1. Frequently
2. Conscience
3. Sufficient
4. Opportunity

Maths

Friday 7th May, 2021

LO: To calculate the area and perimeter of rectangles

Greater than, less than:

2x60 240÷2

90+60+60_____70x4

3x30 **45x2**

10,000x1_____100x100

SATs style questions

[illegible]

SATs style questions

12

$$602 - \boxed{} = 594$$



1 mark

Calculate the **area** and the **perimeter** of the fields below.

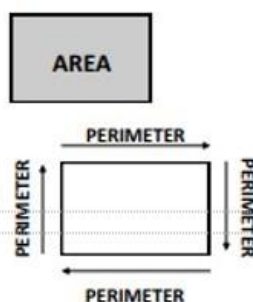
Area is the space contained inside a shape.
(Measured in squared units of measure)

For a rectangle: **$A = l \times w$**

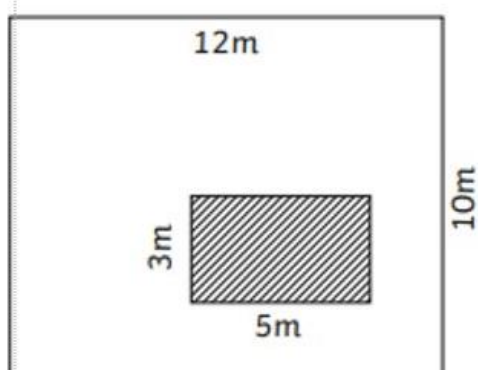
Perimeter is the distance around the shape.

For a rectangle: **$P = 2 \times (l + w)$**

Or **$= (2 \times l) + (2 \times w)$**

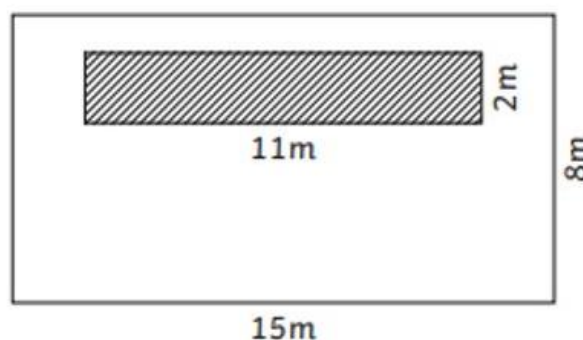


1.



Total: _____

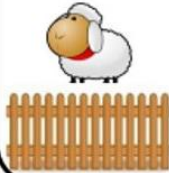
2.



Total: _____

Main Activity

Farmer's Market



Sheep cost £65 each.

Fence is £16 per metre.



Farmer Gump has two problems. His **first problem** is to work out how much fencing he needs to buy for his fields so his sheep don't escape. His **second problem** is to work out how many sheep each field can hold—each sheep needs a minimum of 10m^2 of grass!

1)

10m

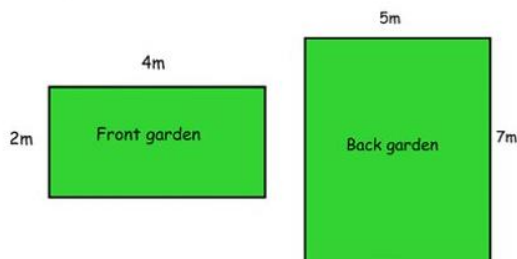
10m

P =

A =

Challenges

1a. Miss Jackson needs to fence her entire garden. Calculate how many metres of fence she will need for each garden.



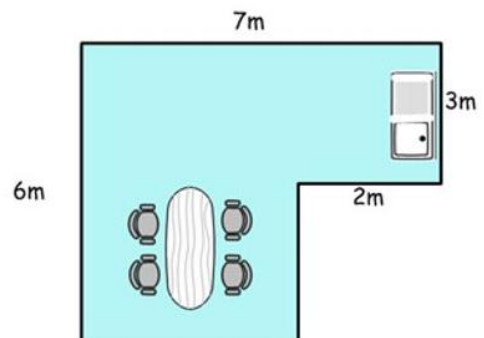
1b. If each metre of fence costs £2. How much will the total cost be?

2. Miss Jackson decides to pave her front garden with paving slabs. Each slab is a square metre. How many does she need to buy?



3. If each paving slab costs £3.50. How much will it cost to pave the whole front garden?

7a. Miss Jackson needs to replace all the skirting boards around the living room. How many metres must she buy?



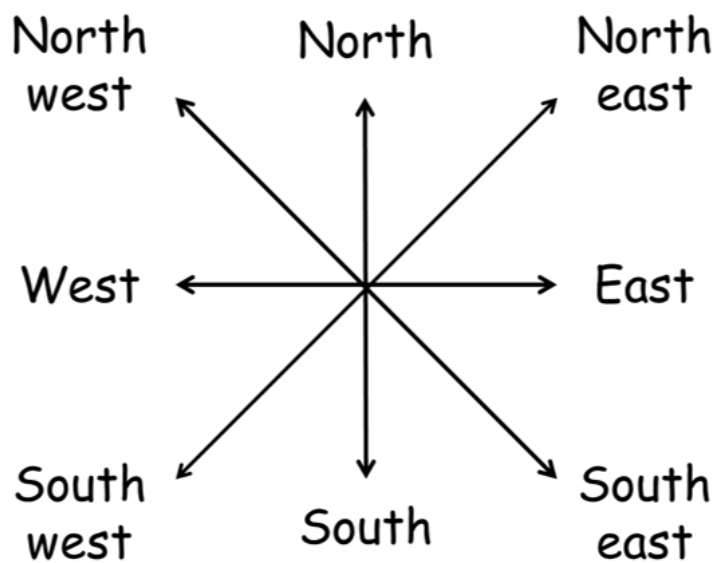
7b. She also decides to change the carpet to laminate flooring. Each square metre of flooring laminate costs £2. How much will it cost?

Geography

Friday 7th May, 2021

LO: To identify and label
counties and cities in England

8 Compass Points



Main Activity 1

Identify and label each county in England.

Use colours help identify each one.

How do you know when you've found them all?



Abbreviated counties

Greater Manchester	South Yorkshire
Derbyshire	Nottinghamshire
Staffordshire	Leicestershire
Herefordshire	Worcestershire
Warwickshire	Northamptonshire
Cambridgeshire	Bedfordshire
Gloucestershire	Buckinghamshire
Oxfordshire	Hertfordshire



SPAG – Answers

PAG- Answers

Some might ask who is this Viking and what made him throw a dwarf off a cliff? To find out, we have to go back in time. This aging, once mighty warrior, is on his final journey; seeking a worthy death in honourable battle. Only then, will he be allowed to enter Valhalla - hall of the mighty gods of the North - the only real hope for a true Viking. If he fails, he will find himself in (agonizingly boring) Helheim. This is the saga of Bjorn!

SPAG Answers

Bjorn is an ageing Viking, he is hairy and **big** and round he is desperate to get into Valhall (the Viking heaven). Where he will enjoy all of the **great** things there. Unfortunately, the only way he can get to Valhall is by bravely dying in battle, or else he will end up in rubbish **cold** Hellheim.

Big: Substantial, Considerable, Immense, Enormous

Great: Significant, Incredible, Exceptional, Extraordinary

Cold: Freezing, Glacial, Crisp, Frosty, Wintry