

Monday 18th November

Morning Challenge

vicious

precious

conscious

delicious

malicious

suspicious

ambitious

cautious

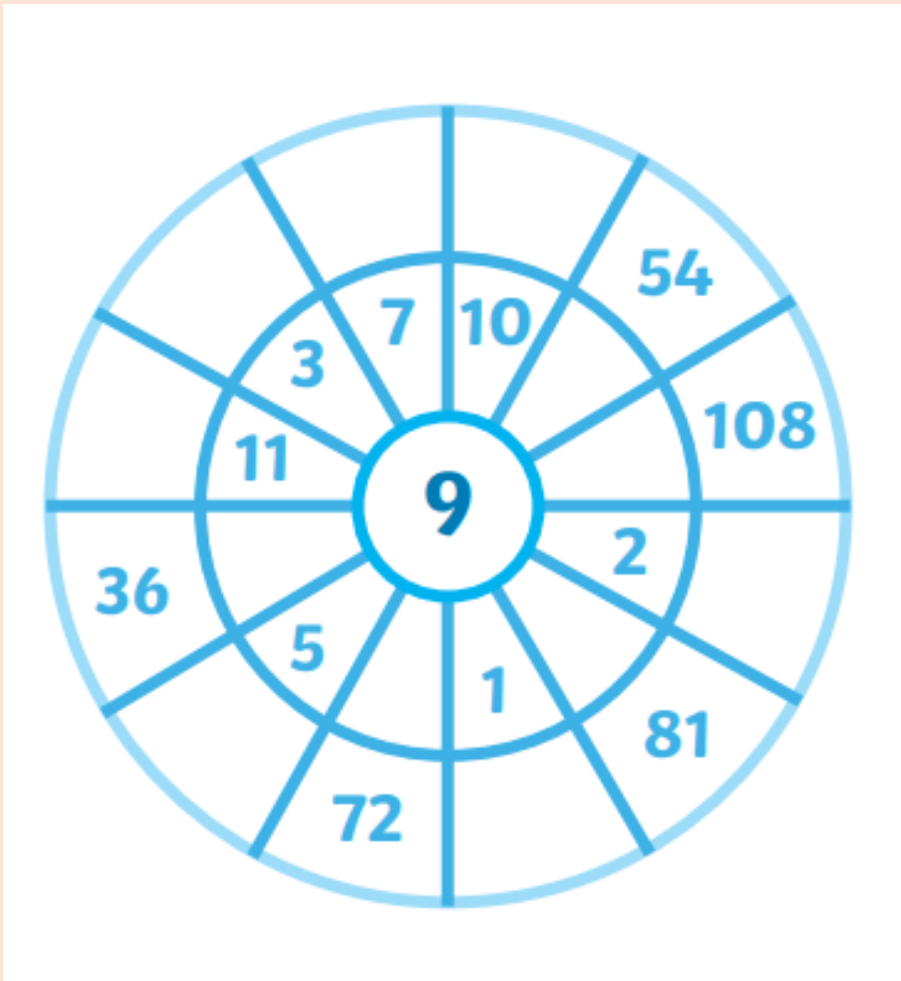
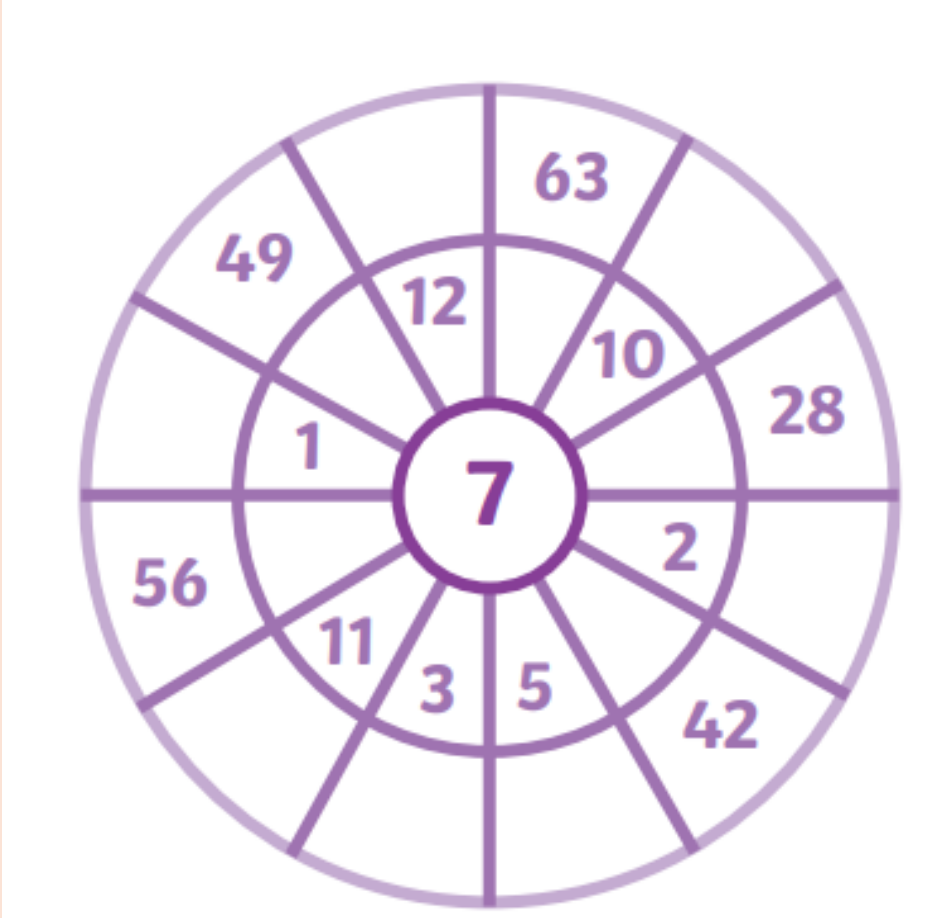
fictitious

infectious

nutritious

Challenge – Write a sentence in the passive voice including the spellings.

X - Tables



18.11.24

TBAT: calculate the area of a triangle using the formula $A = 1/2 b \times h$.

3 in 3

1. _____ = $3.4 \div 10$

2. $4,512 \div 6 =$

3. The chart below shows the temperatures in three cities.
Complete the missing numbers.

	December	+ 8 degrees
Paris	4°C	
Moscow		- 2°C
New York	-1°C	

On Saturday Lara read $\frac{2}{5}$ of her book.

On Sunday she read the **other** 90 pages to finish the book.



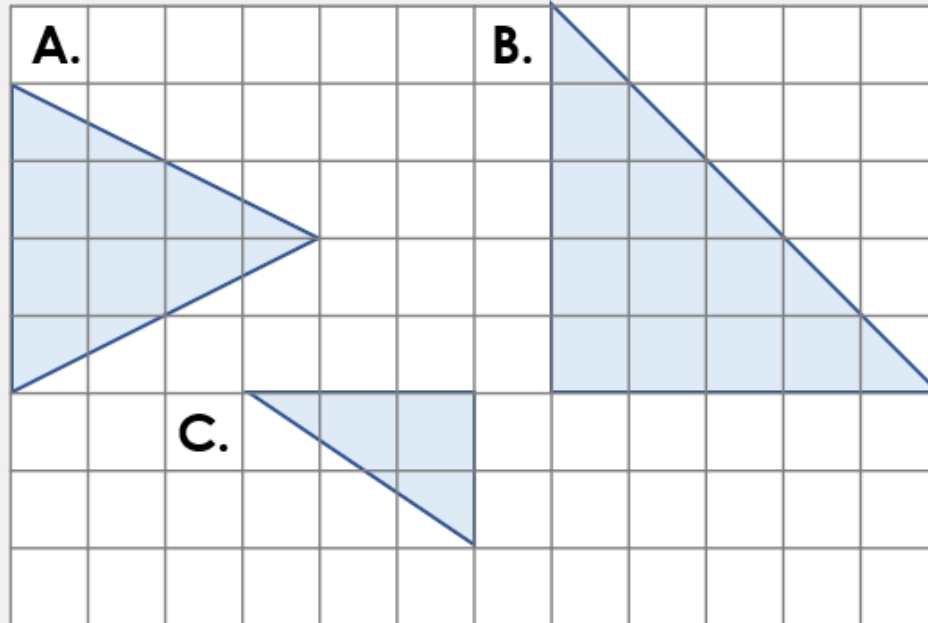
How many pages are there in Lara's book?

18.11.24

TBAT: calculate the area of a triangle using the formula $A = \frac{1}{2} b \times h$.

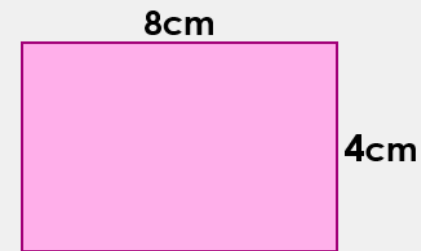
Find the area of each triangle by counting the squares, then order them from smallest to largest.

1 square = 1cm^2

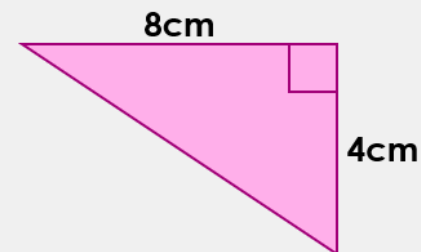


not to scale

Use the area of the rectangle to calculate the area of the triangle.



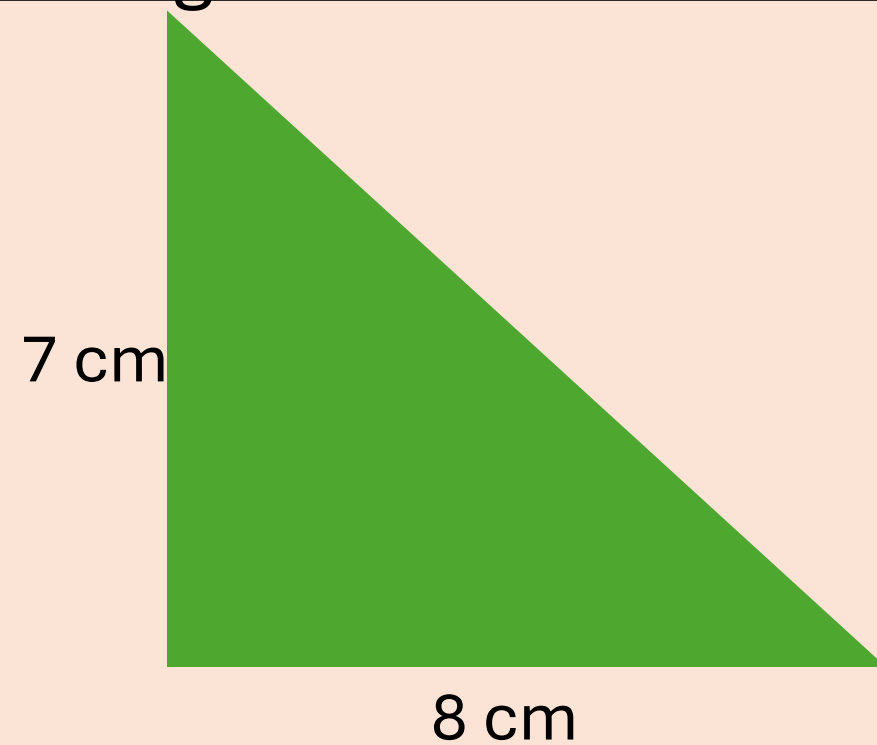
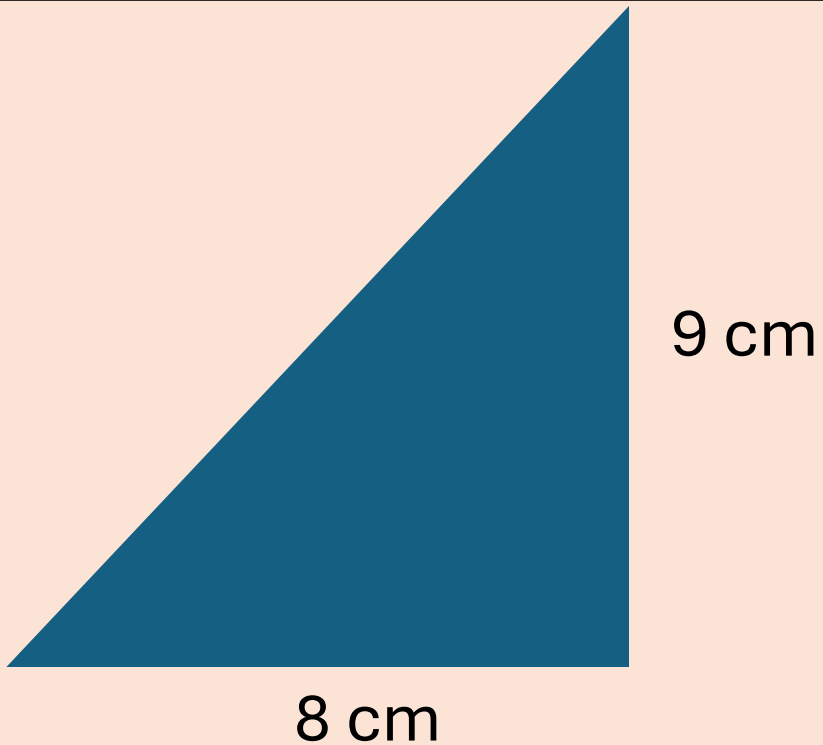
Area = cm^2



Area = cm^2

18.11.24

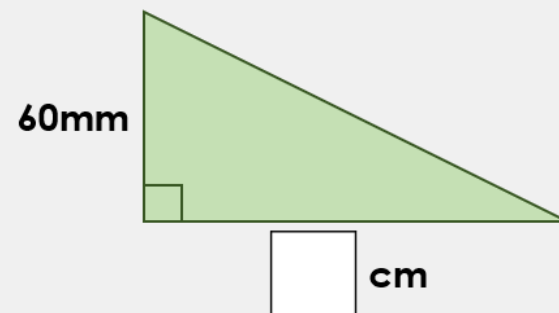
TBAT: calculate the area of a triangle using the formula $A = \frac{1}{2} b \times h$.



The area of the triangle is 36cm^2 .
Using the formula, find the length of the
missing side.

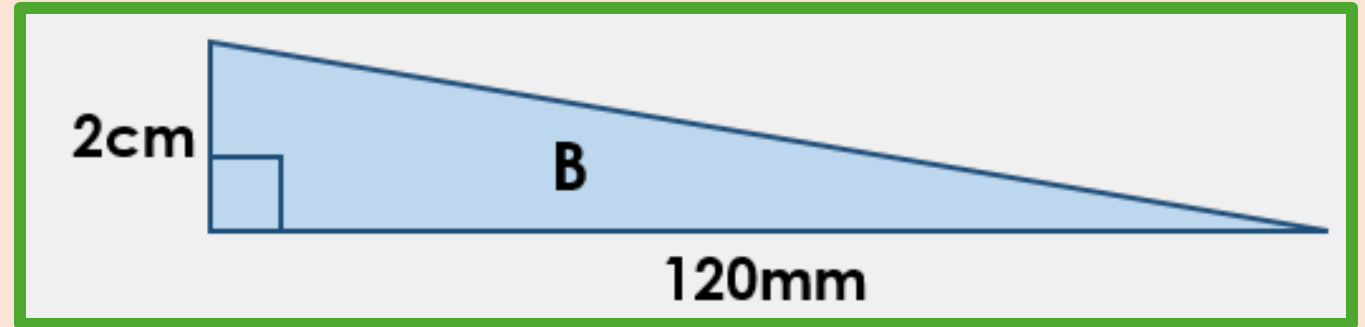
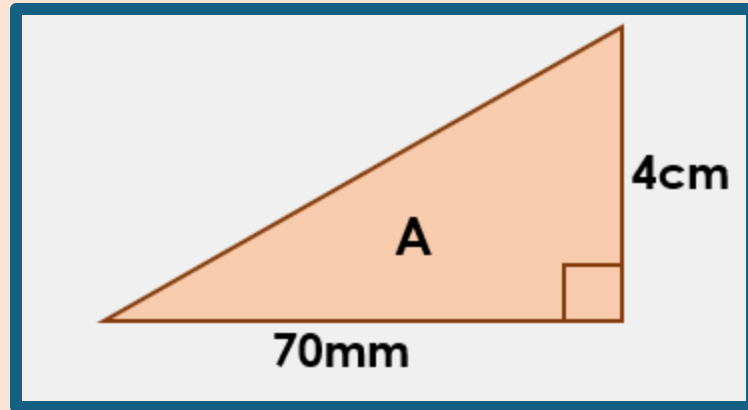
Write your answer in cm.

$$\text{area} = \frac{\text{base} \times \text{height}}{2}$$

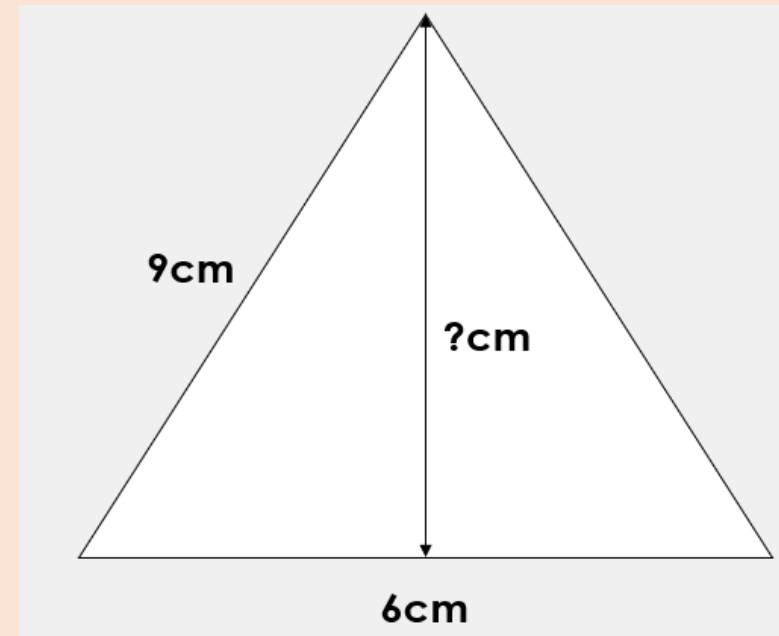


18.11.24

TBAT: calculate the area of a triangle using the formula $A = 1/2 b \times h$.



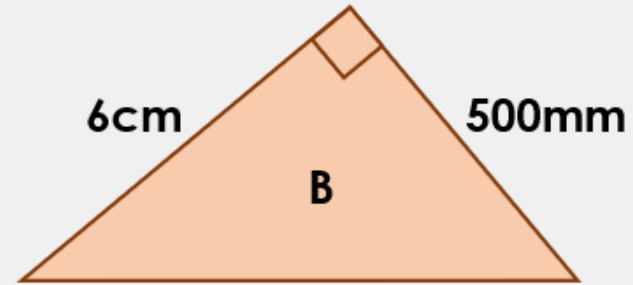
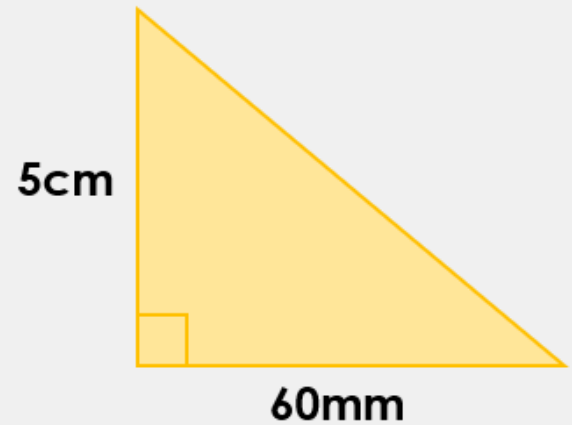
The area of the triangle below is 24cm^2 . What is the missing height?



18.11.24

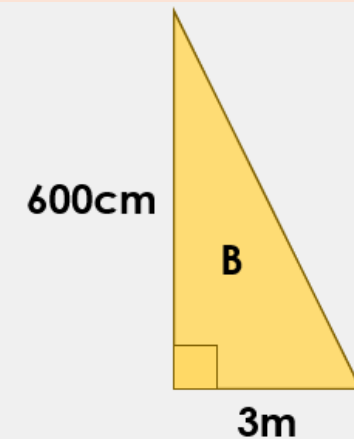
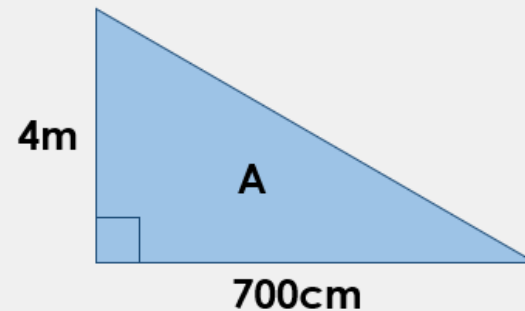
TBAT: calculate the area of a triangle using the formula $A = \frac{1}{2} b \times h$.

Clare thinks triangle B has a larger area than triangle A.



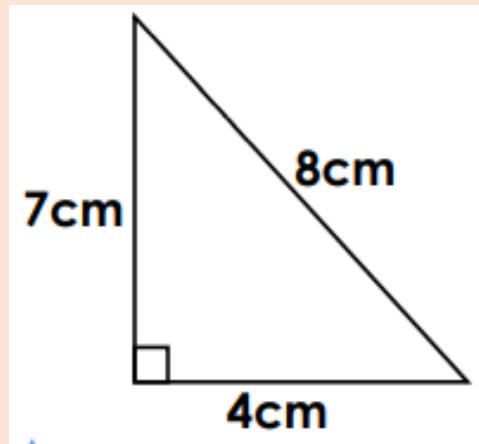
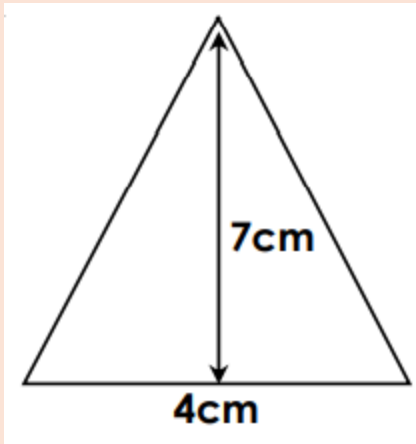
Is Clare correct? Use a formula to prove it.

Calculate the difference between the area of these 2 triangles using the correct formula.

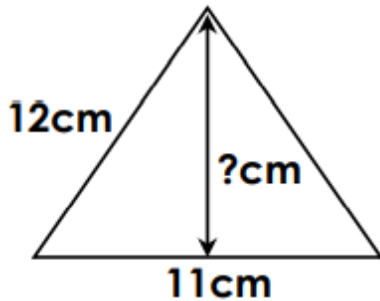


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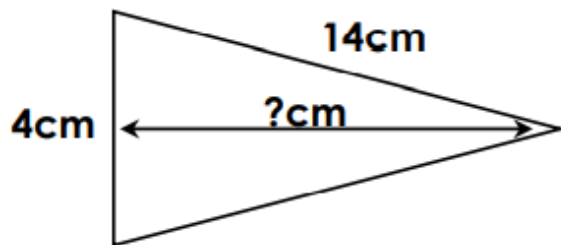
TBAT: calculate the area of a triangle using the formula $A = \frac{1}{2} b \times h$.



The area of the triangle below is 55cm^2 . What is the missing height?

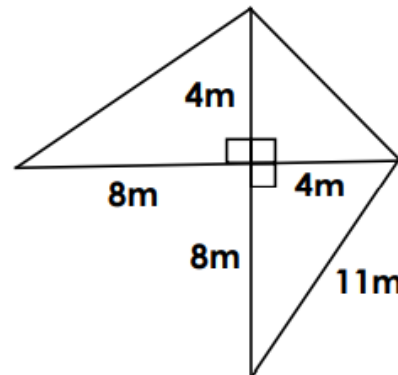


The area of the triangle below is 24cm^2 . What is the missing height?



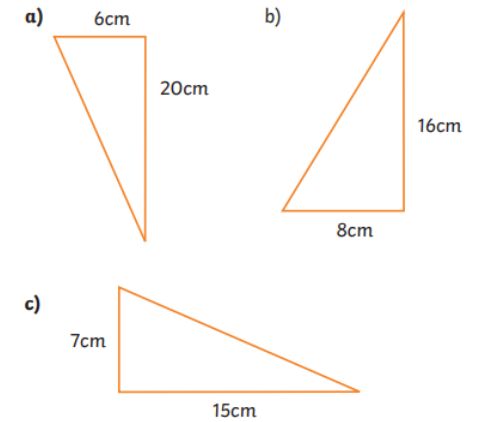
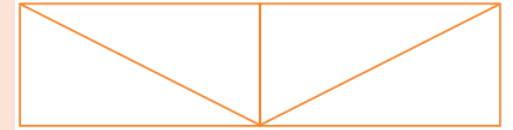
Challenge

What is the area of the composite shape below?



Mastery Challenge

This rectilinear shape has an area of 256cm^2 . It has been split equally into four right-angled triangles.



I'm thinking of a right-angled triangle with integer side lengths.

It has an area of 24cm^2 .

Its base measures between 3cm and 8 cm.

Its height measures between 10cm and 25cm.

Give the dimensions of all the possible triangles I could be thinking of.

Mastery with Greater Depth

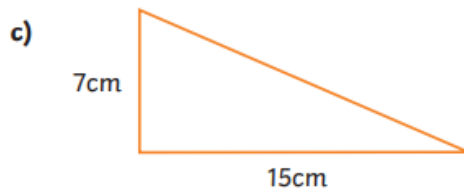
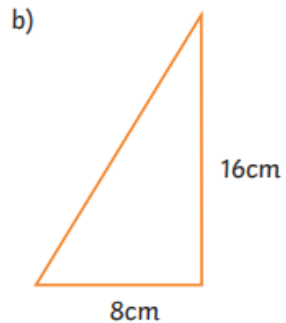
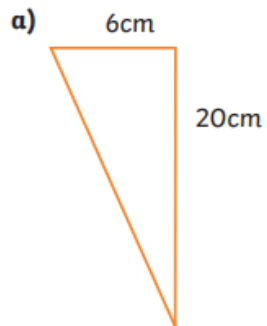
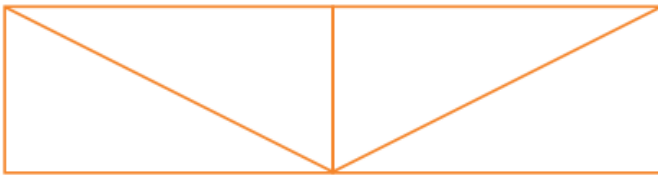


18.11.24

TBAT: calculate the area of a triangle using the formula $A = 1/2 b \times h$.

Mastery Challenge

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Mastery with Greater Depth

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Give the dimensions of all the possible triangles I could be thinking of.



Monday 18th November

TBAT: discuss and evaluate how authors use language to impact the reader.

3 in 3

What do you see when a kettle is boiling? Your first instinct might be to say ‘steam’, but you would not be right. Strictly speaking, steam – the gas or vapour caused by the evaporation of water – is invisible. The white clouds you see coming out of a kettle, or drifting across the sky for that matter, are actually tiny droplets of water which have condensed from the gaseous form into liquid but are too small to be affected by gravity. As often happens, there is a difference between scientific explanations and common understanding. As a scientist, it is important to know that water vapour is invisible, but to say that you can’t see steam rising from a kettle might just be annoying.

1. What does the word instinct mean?

heat

reply

vapour

impulse

2. Find and copy one word from the text that means ‘can’t be seen’.

3. Find and copy the words that explain how steam is caused.

Monday 18th November

TBAT: discuss and evaluate how authors use language to impact the reader.

Recap:

What is Virgo looking for?

What is ambrosia?

C – Identify two differences and similarities of Virgo and Elliot.

Monday 18th November

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Words we will find in the text:

Continuation - a part that is attached to and is an extension of something else.

Conceded - admit or agree that something is true after first denying or resisting it.

Faltering - moving unsteadily or hesitantly.

Reverberated - (of a loud noise) be repeated several times as an echo.



Monday 18th November

TBAT: discuss and evaluate how authors use language to impact the reader.

Retrieval

1. Why did Elliot choose to follow Virgo down further into the cave instead of staying put like he was told?
2. What reason does Virgo give to us why she will not give the creature water?

Inference

1. Why does Prisoner Forty-two look at Elliot with longing and desperation?
2. What dilemma does Elliot have that stops him from running from the cave?

Monday 18th November

TBAT: discuss and evaluate how authors use language to impact the reader.

Authors Choice of Language

1. How do the use of the adverbs ‘hesitantly’ and ‘nervously’ create atmosphere in the text?
2. Why does Virgo repeat the word ‘never’ in her speech on page 68?
3. Why has the author used the term ‘endless gloom’? How does it add effect to the scene?
4. Why does the author write short sentences like in the example below? ‘Let. Her. Go.’

Challenge – Describe how each character changes during this chapter.

	Start of chapter	End of chapter
Virgo		
Elliot		
Prisoner Forty-Two		

Monday 18th November

TBAT: consider the ownership and use of images (copyright).

Where do you get your pictures from online?

What does the word copyright mean?

Monday 18th November

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Copyright

It is easy to copy, change, or download content from the internet.

Copyright law protects the control you have over the things that you create. It also protects the work of others.



Monday 18th November

TBAT: consider the ownership and use of images (copyright).

Copyright

If you want to use someone else's work you should:

- Ask permission
- Give credit to the person who made it
- Buy it — if it has a cost attached (e.g. from an online resource library)



Monday 18th November

TBAT: consider the ownership and use of images (copyright).

Fair use

Sometimes it is possible to copy part of someone's work.

For example, if you are using part of someone's content e.g. a picture for your school work — then that's ok. School children are not expected to pay for images they find online BUT...

You just have to remember:

- You can only use part of the work
- You can't make money from it
- It needs to look completely different in your piece of work than in the original piece
- Credit the owner



Monday 18th November

TBAT: consider the ownership and use of images (copyright).

Katie	It is acceptable because it is for her school work. She is not making money from it.
Gabby	It is acceptable because she changes it to make it her own and she gives credit to the owner of the original piece of artwork. She is not making money from it and she is using it for schoolwork.
Philip	It is fine to use it for school work but he must give credit to the owner and pay to download it.
Abdul	It is not acceptable because the image could have copyright and he has not given credit to the owner.
Pierre	He has given credit and it is for school work. He got the image from a copyright free image library.
Mel	It is acceptable but she does not need to be so worried as you are allowed to use content if it is for school work and you have asked for permission and given credit.
Kobi	He is right because it is his work however he needs to be careful that someone does not take his work and pretend it is theirs.

Read and discuss each scenario and decide whether or not they are acceptable ways to use someone's work, and record in the table.

Monday 18th November

TBAT: consider the ownership and use of images (copyright).

Where should you look for pictures to use in your own projects?

1

Search in your browser, copy, and paste pictures



2

Use copyright-free resource banks



3

Create your own images and videos



4

Copy images from social media



Monday 11th November

Gymnastics

To develop jumps and explore the effect of height.

Success Criteria

- Consider the timing of your movements.
- Use height to give you more time to perform more challenging jumps.
- Vary the level, direction, speed, timing and pathway of your sequence to make it look interesting.