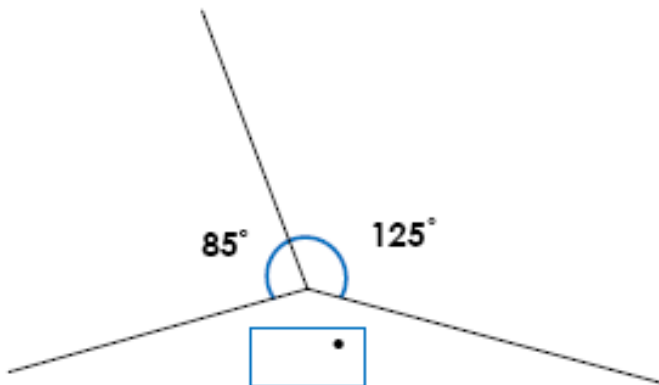


Year 5 Learning at Home Week 2, Session 2

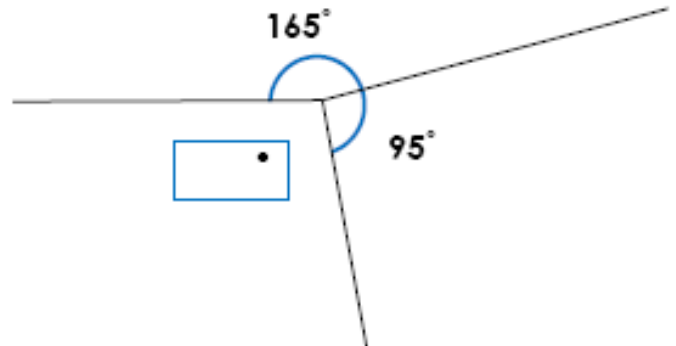
Maths

1a. What is the missing angle?



VF

1b. What is the missing angle?



VF

2a. Three angles make up a full turn.
These are 2 of the angles:

75°
 155°

What is the value of the third angle?



VF

2b. Three angles make up a full turn.
These are 2 of the angles:

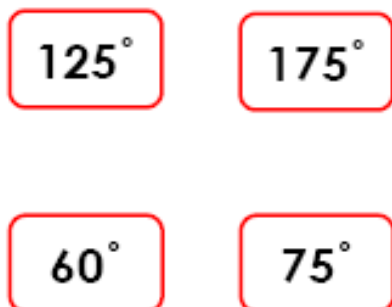
80°
 165°

What is the value of the third angle?



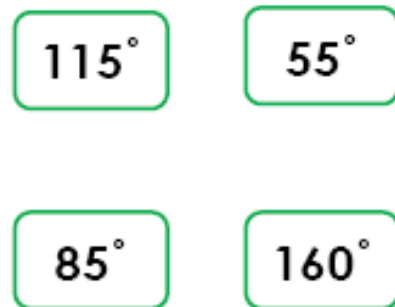
VF

3a. Circle 3 angles that will add up to
make a full turn.



VF

3b. Circle 3 angles that will add up to
make a full turn.

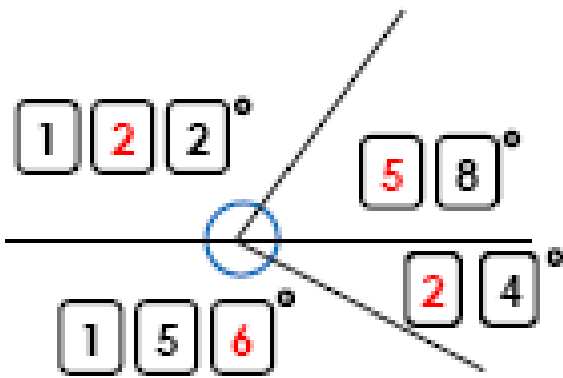


VF

1a. 150°
2a. 130°
3a. 60° 125° 175°

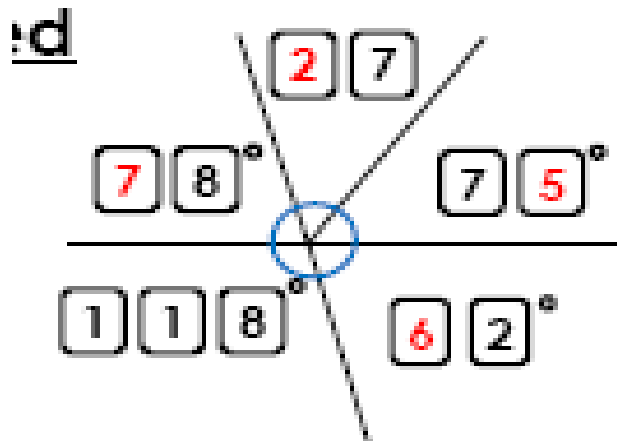
1b. 100°
2b. 115°
3b. 85° 115° 160°

4a. Use the digit cards to fill in the missing numbers.



PS

4b. Use the digit cards to fill in the missing numbers.



-3

5a. Alfie is cutting a cake. First, he cuts the cake into 2 equal halves. Then, he cuts one half of the cake into 3 equal pieces. He cuts the other half of the cake into 2 unequal pieces. One of these pieces makes an obtuse angle. Alfie says that one of the three equal pieces of cake is bigger than the smaller unequal piece. How is this possible? Explain your answer.

You could draw a diagram to help you.



R

5b. Evie is cutting a meat pie. First, she cuts the cake into 2 equal halves. Then, she cuts one of the halves into 4 equal pieces and the other half she cuts into 3 unequal pieces. One of the unequal pieces is a right angle. Evie says that one of the other unequal pieces is smaller than one of the 4 equal pieces. How is this possible? Explain your answer.

You could draw a diagram to help you.



R

6a. Use the hints to work out the angles. Four angles make up a full turn.

Angle A is half of a right angle.
 Angle B is double angle A.
 Angle C is a third more than Angle B.
 Angle D is an obtuse angle and a multiple of 5.

What are the 4 angles?

6b. Use the hints to work out the angles. Four angles make up a full turn.

Angle A is a multiple of 5 and 7.
 Angle B is triple angle A.
 Angle C is an obtuse angle.
 Angle D is a third of angle C.

What are the 4 angles?

5a. The three equal pieces are all 60° . The two unequal pieces must add up to 180° . An obtuse angle is bigger than 90° (but smaller than 180°) so the bigger piece has to be between $90^\circ - 180^\circ$. So this can be possible if the smaller piece is less than 60° as the bigger piece will still be an obtuse angle.

6a. $A = 45^\circ$ $B = 90^\circ$ $C = 120^\circ$ $D = 105^\circ$

5b. The four equal pieces are all 45° . A right angle is 90° . The 2 unequal pieces add up to 90° . So this can be possible if one of the other unequal pieces is smaller than 45° .

6b. $A = 35^\circ$ $B = 105^\circ$ $C = 165^\circ$ $D = 55^\circ$



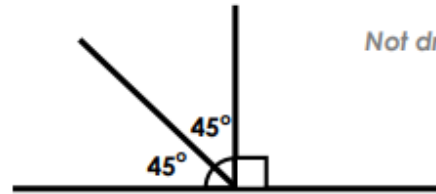
Diving Deeper

1. Noah is trying to work out how a right angle affects the other angles on a straight line. He has experimented below and has come up with a theory.

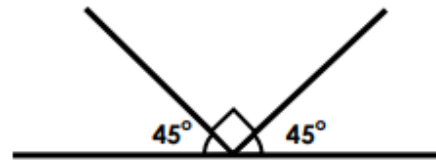
He says,



If there are three angles on a straight line and one is a right angle, the other two angles must be 45° every time.



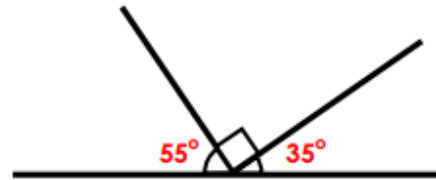
Not drawn to scale.



Investigate whether Noah is correct. How could you prove or disprove his theory?

Noah is incorrect. Depending on where the right angle is on the straight line, the other two angles can vary.

Various answers possible including:

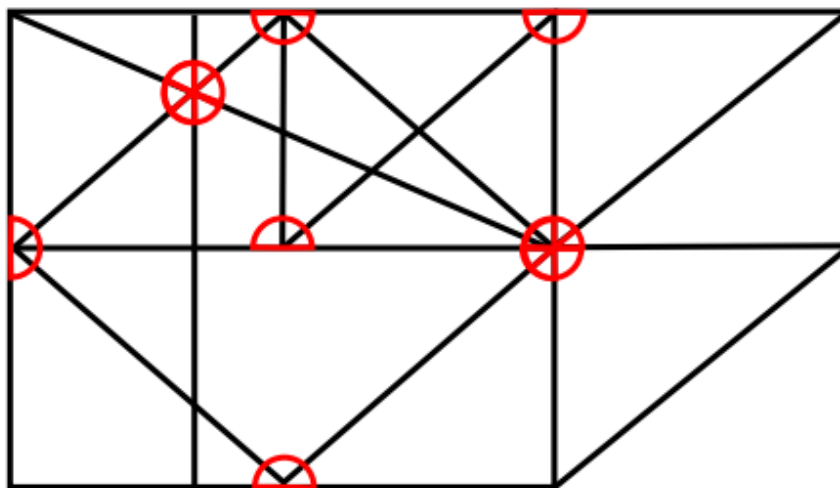


DP

2. Look at the shape below. Explore how many groups of angles there are on a straight line within the shape. One has been done for you.

A group will need to consist of at least three angles.

Not drawn to scale.



There are 17 groups of angles on a straight line that contain at least three angles within the shape above.

DP

English

In English, we have been learning about standard and non-standard language. Use your learning to complete these questions:

A note from Ash

My name is Ash, I'm twelve years old and I love to sing.

This is the story of the time I **done** stopped singing. It all happened one year ago, at Morton School. It **weren't** just singing **what** went wrong, it **were** everything: friends, birthday parties, brain maggots, and most of all, **them** big, scary exams **what** we had to do at the end of the year.

They looked scary, back then. Now, I **ain't got no idea** what I **were** worried about.

Anyways, Miss Underbridge said that if I **writ** everything down, it might help other people **who's** doing their exams. She asked Janelle to, **and all**, so we're racing to see who can write more. The loser has **gots** to buy the winner tickets to a Glitter Riot concert. Glitter Riot are the best band in the whole wide world, so I **proper** have to win.

Extract from the Twinkl Originals KS2 story 'Under the Lights'

1. Ever since Mr Rivers done told me that I'd gotten the lead part in our school play, Robin Hood: Superstar!, I'd dreamed about opening night.
Ever since Mr Rivers told me that I'd got the lead part in our school play, Robin Hood: Superstar!, I'd dreamed about opening night.
2. "What has you got to be nervous about?" she said as she tugged and tucked my tunic.
"What have you got to be nervous about?" she said as she tugged and tucked my tunic.
3. "Ashraf?" Dad sat on the table besides me and leaned in real close. "You don't have to do the play if you don't want to."
"Ashraf?" Dad sat on the table beside me and leaned in close. "You don't have to do the play if you don't want to."

Memory Challenge Grid:

Types of Sentences Answers

<p style="text-align: center;">1 point ★</p> <p>Do you want to come to my awesome party?</p> <p>Your presence is requested at my gathering.</p>	<p style="text-align: center;">3 points ★★★</p> <p>The suffix -ly is missing from the word quick. This would form the adverb 'quickly'.</p>	<p style="text-align: center;">4 points ★★★★</p> <p>Accept an appropriate answer in the subjunctive form, such as:</p> <p>If Jon were to win the race, I would be very surprised!</p>	<p style="text-align: center;">1 point ★</p> <p>The chickens were happily pecking away at the soft ground.</p>
<p style="text-align: center;">4 points ★★★★</p> <p>If you are writing a letter to a <i>friend</i>, it would be <i>informal</i>. However, if you are writing a letter to a <i>business</i> or <i>unknown</i> person, it would take on a more formal tone.</p>	<p style="text-align: center;">2 points ★★</p> <p>The music will <u>commence</u> / start at 5 p.m. with a short set from the fab / <u>prestigious</u> band.</p>	<p style="text-align: center;">1 point ★</p> <p>Gareth did a brilliant performance with his dance group.</p>	<p style="text-align: center;">3 points ★★★</p> <p>Accept an appropriate formal answer, such as:</p> <p>I am not going to do it.</p>
<p style="text-align: center;">3 points ★★★</p> <p>Accept appropriate formal choices, such as:</p> <p>My family and I were watching the television and waiting patiently for the game to commence.</p>	<p style="text-align: center;">1 point ★</p> <p>Some wildlife experts came to our school yesterday; they brought two tawny owls with them.</p>	<p style="text-align: center;">4 points ★★★★</p> <p>If I were taller, I would be able to easily reach the netball hoop.</p>	<p style="text-align: center;">2 points ★★</p> <p>Throw those empty bottles in the recycling.</p> <p>Ty asked them to stop making so much noise.</p>
<p style="text-align: center;">2 points ★★</p> <p>The teachers was going to send us home if the snow got any heavier.</p> <p>I was excited to go and play in the snow with my friends.</p>	<p style="text-align: center;">3 points ★★★</p> <p>Accept an appropriate informal answer, such as:</p> <p>She reckoned that a doctor should be there too.</p>	<p style="text-align: center;">2 points ★★</p> <p>When it chewed through the television wire, my mum said that she didn't want anything more to do with my hamster.</p>	<p style="text-align: center;">4 points ★★★★</p> <p>Accept an appropriate formal answer, such as:</p> <p>Your presence is requested during mealtime.</p>

Verb Consistency - Answers

Read this historical information carefully. Find all the verbs. Then, decide if the verbs are consistent and that they are written in Standard English. Make changes where you find mistakes.

Pyramids

The pyramids **were** the tombs that **were built** for the Pharaohs – the kings. The size of the pyramid **showed** the importance of the person who **was buried** in it.

The ancient Egyptians **believed** that if a person **was** mummified, they **would live** forever, so they **built** these tombs to **keep** their bodies.

The Great Pyramid **was built** for Pharaoh Khufu. It **was decorated** with lots of hieroglyphics which **told** the story of the Pharaoh that **was buried** there.

Over 130 pyramids **have been found** in Egypt.



Can you find a sentence written in the **present perfect continuous tense**? Can you explain why it has been used?

Please complete the reading comprehension about the Rainforest.

Rainforest Calling

9:50 a.m.

I wonder if the person who gave the rainforest its name had ever actually been there. Surely, if they had, they'd have called it the 'plant forest' instead. Mrs Curtis, my teacher, told us that more than two thirds of the world's plant species live in rainforest environments. That's more than 80,000 different plants!

There's no way that I'm telling my Grandma Wilkins that! She'd be on the first plane to Brazil with her lucky gardening gloves because she really loves plants. Do you know, she once told me that she might love plants even more than she loves my mum! Don't worry, I haven't told my mum that.

That's one of the reasons why I volunteered for this project – so that I could tell my grandma about all the plants. Mrs Curtis wanted one of us to spend a whole week looking at some webcams in the Amazonian rainforest.

I put my hand straight up. My best friend, Millie, said that the last time she'd seen anything move as fast as my arm was when someone told her daft brother that the bank was giving away free money. Who wouldn't volunteer to spend the whole week looking at the Amazon? I think that I'd be really good at spotting all the different plants and animals.

As soon as Mrs Curtis looked at me, I knew that I hadn't been picked. She had the same expression on her face that she uses to tell us that we've got a maths question wrong as she said, "Maybe next time, Daisy." Jack Walters got picked instead, but he changed his mind when he found out that we're only allowed to look at the webcams during our breaks and at lunchtime. He said that there was no way that he was going to miss playing football in the playground. So Mrs Curtis ended up choosing me anyway! I don't mind having to do normal lessons I got nine out of ten on my spellings last week. Still can't spell rhinnosoraus, though.



Mrs Curtis said that I have to write a journal entry to tell the rest of the class what I've seen on the webcams. I haven't written a journal before. The only things I write at home are lists of my favourite songs and the things I want for Christmas, but Mrs Curtis said not to worry and to just write as I like to speak. I think that should make it easier!

A 'green conversation' charity set the webcams up a few years ago (I'm not actually sure what a green conversation is, or a red or yellow or pink conversation either) and when Mrs Curtis logged on with her laptop, she showed me that we can move the webcams with the arrows on the keyboard. If I want to move left or right, up or down, I just press the arrows. I can even move from camera to camera so that I can explore each layer of the rainforest! Mrs Curtis also said that the Amazon rainforest is over 5,000 miles away from our school, yet I can still move the lens in any direction I want. Sometimes, technology is amazing!

I'd love to spend all my time looking for the monkeys, or even a Bigfoot! My dad says that scientists claim there are still over five million animal species waiting to be discovered in the world, and most of those probably live in the rainforest. He wants me to keep my eyes peeled for a Bigfoot because he says, "Daisy, that'll be like winning the lottery!"

Anyway, my dad thinks that he knows lots about the rainforest. I think that he might have read the same books as Mrs Curtis because they both said that lots of what we all take for granted comes from the rainforest. Those beans that they use to make chocolate come from there, and pineapples, too, plus the ginger that goes into yummy biscuits... even rubber for the soles of my trainers.

Millie says that her uncle has an important job at the city museum and he reckons that more than twenty-five percent (that's a quarter) of all medicines use plants from the rainforest. So if you stay up too late and have a headache, or get an iffy tummy after you've eaten one of your dad's home-made curries, the medicine that you are given could be made from rainforest plants. How amazing is that?

What I'd really like to find, though, is a new kind of flower - maybe one of those beautiful orchids. When you find something new like that, those clever people you see on the documentary channels sometimes let you name them. I'd call mine the Wilkins orchid, after Grandma Wilkins. That would make her feel very important, and she tells me that she's always wanted to be a VIP!

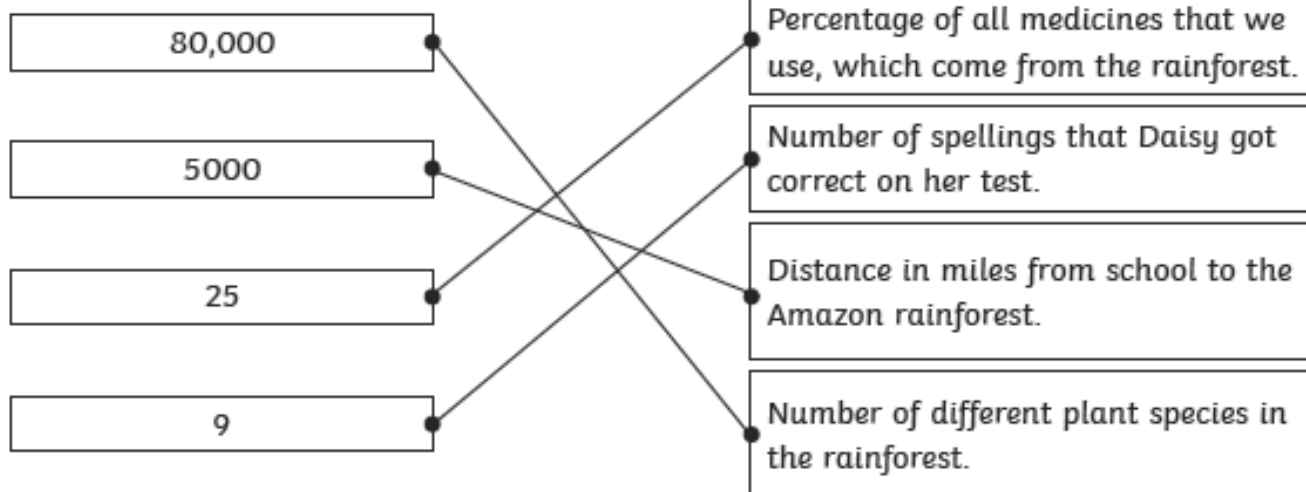


Answers

1. What is the meaning of the word 'volunteered'?

offered freely and willingly/was not told to do it/put herself forward

2. Draw lines to match these figures with the correct information.



3. Complete the table by showing whether each statement is a fact or an opinion.

	Fact	Opinion
Daisy volunteered to take part in the project.	✓	
Watching the rainforest would be exciting.		✓
The flowers in the rainforest are beautiful.		✓
A charity set up the webcams.	✓	

4. How do you think Daisy feels about being chosen to take part in the project? Give evidence for your answer.

Accept a response that explains that Daisy is happy/pleased/delighted to be chosen because she volunteered/she really wanted to take part. Accept evidence to show Daisy's reasons or enthusiasm, e.g. she could tell her grandma about the plants/she could look for a new kind of flower. Also accept answers indicating Daisy is relieved as she was not picked first/annoyed because Jack was picked first.

5. What kind of relationship do you think Daisy has with her grandma? Use evidence from the text to support your answer.

Accept an answer that shows Daisy's relationship with her grandma is good/close/

friendly. Accept evidence, such as: she wants to name a flower after her/she thinks of her grandma instantly/she talks a lot about her grandma.

Do not accept answers which just state things that her grandma likes, such as gardening or plants, without reference to Daisy's bond with her grandma.

6. Find and copy three types of food or ingredients that come from the rainforest and are mentioned in the text.

Accept any three from: (cocoa) beans (to make chocolate), pineapples and ginger (for biscuits). Do not accept reference to home-made curry without stating the ingredients above.

7. Find and copy a phrase which means that we fail to appreciate something because we're so familiar with it.

'take for granted'

8. What type of flower does Daisy hope to find in the rainforest and what name would she give it?

An orchid that would be called the Wilkins orchid.

9. Which of these does Daisy mean with the abbreviation VIP?

Very Interesting Project

Very Important Person

Vegetation In Places

Vanishing In Power

10. Summarise the text in 30 words or fewer.

Accept any summary of 30 words or fewer. For example, Daisy has volunteered to spend her free time watching rainforest webcams and will make a journal to tell her class what she sees. Jack Walters didn't want to do it.