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# Home Learning Pack Year 5

Week 10  
29/06/2020

Classroom  
secrets★

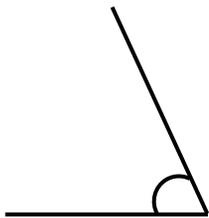


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# Monday – Measuring with a Protractor

1. Match the angles to the correct labels.

A.



75°

B.

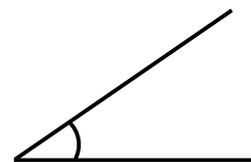
35°



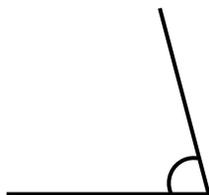
65°

D.

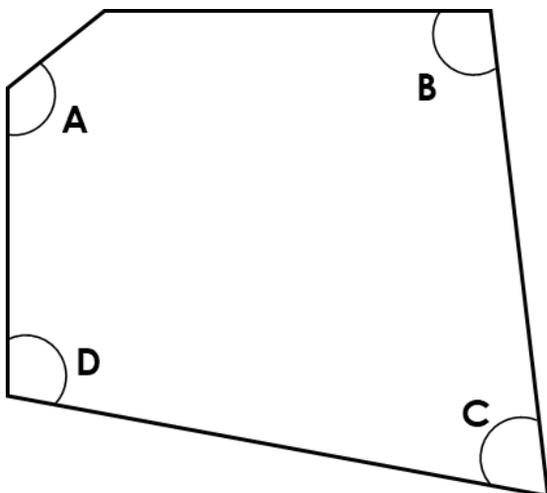
15°



C.



2. Measure the angles in the shape below.



A =  °

B =  °

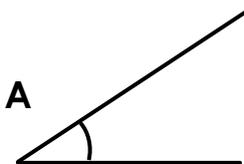
C =  °

D =  °

3. Who is correct? Explain the error the other person may have made.

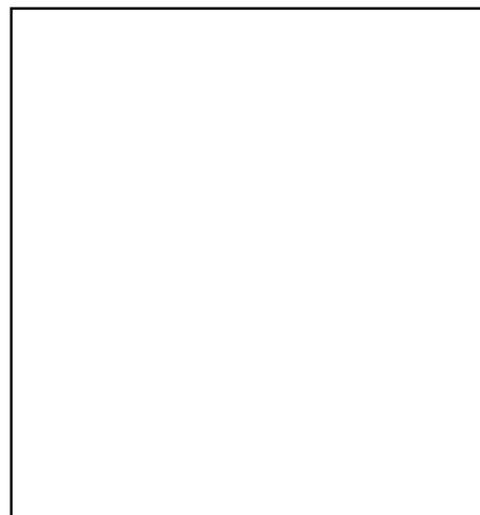
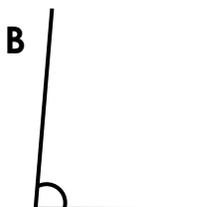
Hadassah says,

Angle A is 35°  
and angle B is  
80°.



Naomi says,

Angle A is 33°  
and angle B is  
85°.



# Monday – Paragraphs in Non-Fiction

## On Shaky Ground

### Why Do Earthquakes Happen?

Earthquakes happen because the Earth's surface is made up of large, flat pieces of rock. These fit together like a giant 3D jigsaw puzzle. They are called tectonic plates. These plates move very slowly and sometimes they collide. This leads to a sudden release of energy called seismic waves. These waves travel through the Earth and cause tremors and shakes.

### Destructive Earthquakes

Earthquakes are measured on a Richter scale. This scale measures the magnitude (the energy it creates) of an earthquake. A strong earthquake can cause the following:

- shocking loss of life
- damage to whole cities
- landslides
- tsunamis

Class	Magnitude
great	8 +
major	7 – 7.9
strong	6 – 6.9
moderate	5 – 5.9
light	4 – 4.9
minor	3 – 3.9

### Tsunamis

These happen when there is an earthquake at the bottom of the ocean. This causes waves of water to be forced upwards. The water creates a huge wave called a tsunami. When a tsunami reaches land, it can be deadly. In December 2004, a massive earthquake occurred in the Indian Ocean. The resulting tsunamis caused damage in many countries, and more than 200,000 people died.

1. Mark the subheading that could be used as an alternative for paragraph two with an 'X'.

How are Earthquakes Measured?

What are Earthquakes?

2. Mark the correct statement with an 'X'.

Subheadings summarise what the paragraph is about.

Subheadings summarise what the whole text is about.

3. True or false? The following sentence should be added to the paragraph under the subheading 'Destructive Earthquakes'.

The strongest earthquake ever recorded had a magnitude of 9.5.

# Monday – Paragraphs in Non-Fiction

## The Beatles

### Who Were They?

The Beatles were an English rock and roll band. They formed in Liverpool in 1960. The band consisted of: John Lennon (rhythm guitar), Paul McCartney (bass guitar), George Harrison (lead guitar) and Ringo Starr (drums).

### Number 1 Hits

Their first hit was called, "Please, Please Me". The album reached number 1 in the British charts in 1963. They had 17 British number 1 singles.

### Beatlemania

This was the word used to describe the effect they had on their fans. In 1964, they travelled to the United States. When they arrived, they were greeted at the airport by thousands of screaming fans. Whilst there, they appeared on the Ed Sullivan Show. The show was watched by 74 million people, which was a record number of viewers.

### A Lasting Impression

The band inspired many people. Thanks to The Beatles, many young people wanted to play guitars and form their own bands. Their fashion sense was copied around the world. They were proof that a group of boys, from simple backgrounds, could go on to achieve fame and fortune.

4. Circle a suitable subheading from the selection below to extend the text. Write the opening sentence of your new paragraph.

End of an Era

Where are they Now?

Famous Fans of The Beatles

5. Rewrite paragraph four to include bullet points. Use a colon to introduce the bullet pointed list.

6. The author has written the sentence below.

In 1967, "Hello, Goodbye" spent seven weeks at number 1 in the British charts.

Under which sub-heading should it be placed?

Explain your answer.

Chart Toppers

Beatlemania

## Tuesday – Drawing Lines and Angles Accurately

1. Draw two lines which meet the criteria below.

A horizontal line that is 54mm

A second line that is 4.1cm

They meet at  $75^\circ$

2. Maxine walked to the shop.

First, she walked 4.7km.

Next, she turned  $43^\circ$ .

Then, she walked a further 2.6km.

Draw an angle to represent her journey, where 1km = 1cm.

One line has been done for you.



3. Draw a line joining A to E. Then join two other dots to make a line that intersects it to create an angle of  $60^\circ$ .

A •

C •

F •

B •

E •

D •

How long is the line you have drawn?

## Tuesday – Avoiding Repetition

“Oh, sorry. I didn’t see you there. I’m not trespassing am I?” asked Matty. He was worried that he’d walked into a garden that wasn’t part of his holiday cottage. He was staying there with his parents.

“Don’t worry,” smiled the boy. “This maze is part of my garden, but you’re welcome to use it anytime. I don’t get to talk to anyone nowadays. I’m pleased you saw me.”

Matty looked at the boy carefully. There was something odd about him. He looked about 11 years old (the same age as him) but his skin was pale and he was wearing striped pyjamas and a dressing gown. His feet, which were bare, worried Matty. It was a cold day and the boy already looked ill.

“That’s kind of you,” replied Matty. “My name’s Matty by the way. What’s yours?” Matty went to shake the boy’s hand, but the boy flinched away from him.

“My name’s Arthur. I won’t shake your hand, as I’ve been quite poorly. I’d hate for you to catch it too,” said Arthur, who suddenly looked confused. “Sorry, I can hear Mama calling. I must go. Will I see you again tomorrow?”

Matty looked around. He couldn’t hear anyone calling. He also couldn’t see anyone else in the maze, which had been quite tricky to find the centre of. He turned back to speak to Arthur. However, Arthur had vanished into thin air.

1. List all of the personal pronouns that appear in paragraph one. If a pronoun appears several times, write it only once.

2. In paragraph three, does the relative pronoun ‘which’ refer to Matty, Arthur’s feet or the maze?

3. An extra sentence has been written to add to paragraph four. Circle the appropriate relative pronoun below that would complete the sentence.

Matty, \_\_\_\_\_ had been taught good manners, was upset by this.

that

who

which

4. True or false? In paragraph six, the word ‘he’ has been used to replace the noun ‘Arthur’. Explain your answer.

## Tuesday – Avoiding Repetition

The air was hot. Thick smoke blocked out the sky above. Evelyn, who was holding a wet scarf over her face, was finding it hard to breathe. Saving the lives of these endangered animals was the only thing that kept her calm.

“The last one’s on the truck,” yelled Peter, her husband. “Let’s get everyone out of here!” He had to drag Evelyn, who didn’t want to leave, by the arm and force her into the passenger seat.

“Are you sure we’ve got them all? Are you sure we haven’t left any behind?” She was crying now at the thought of having missed one of the orangutans. Tears rolled down her soot covered cheeks.

Ten years ago, she and Peter had set up the sanctuary on the island of Borneo. Their mission was to save as many orangutans as possible. Now, a forest fire was right on their doorstep, threatening to destroy everything they had built.

Four trucks full of orangutans had already got out safely. They were the last to leave. Peter started the engine. The old truck sparked into life. Breathing a sigh of relief, he drove it out of the compound and away from the fire.

5. An extra sentence has been written to add to paragraph three. Change the underlined nouns to pronouns to avoid repetition.

The orangutans were like family to Evelyn and Evelyn was sad at the thought of losing any of them.

6. Use the relative pronoun ‘which’ to add extra information into the sentence below.

The old truck, \_\_\_\_\_, sparked into life.

7. Sasha has written the first sentence of the next paragraph.

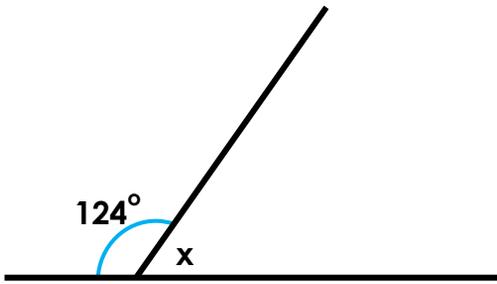
Evelyn thought that them would never be free of the smoke as their drove away from the fire.

Has she used personal pronouns accurately? Explain your answer.

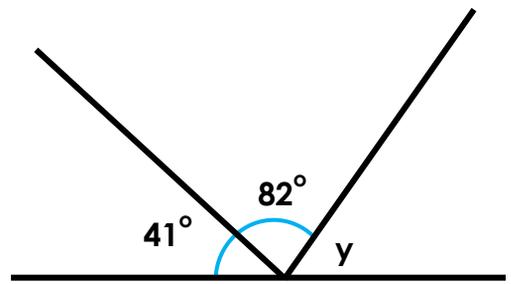
# Wednesday – Angles on a Straight Line

1. True or false? Both angles  $x$  and  $y = 57^\circ$ .

A.



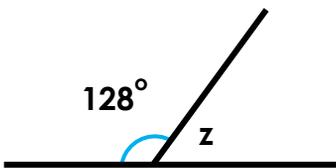

B.



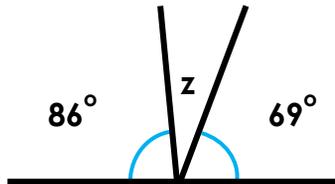

*Angles not drawn to scale*

2. Which diagram has a missing angle of  $22^\circ$ ? Put an 'X' in the correct box.

A.




B.




C.

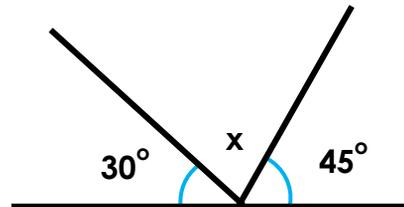
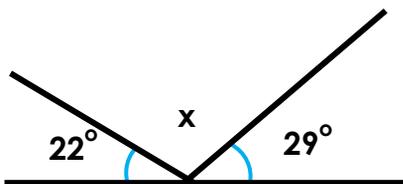



*Angles not drawn to scale*

3. Florence thinks that her missing angle is bigger than Freya's.



Florence



Freya

*Angles not drawn to scale*

Is she correct? Explain your answer.

## Wednesday – Organising Paragraphs within Texts

Read the following text, then answer the questions below.

Manish had done all he could to persuade Yana that it was not a good idea for them to sneak into the circus tent the night before the grand opening. Yana, however, was stubborn and braver than Manish. She was too persuasive for him to win that battle. Now here they were, looking around a tent on a dark and starless night.

Manish searched his pockets frantically for his little keyring torch. He was desperate to find any way of lighting the dark surrounding him. The dark struck a fear into his very core.

Meanwhile, Yana had already walked right into the centre circle of the circus and was fearlessly play-acting her role as circus ringleader. She could barely see the arena seating through the dark, but she didn't care.

Eventually, Manish found his torch and shone a light into the centre of the tent. He felt a slight twinge of relief as the thin beam of faint light struck upon his friend. His relief quickly turned to another feeling altogether. Who was that walking up behind her?

1. Write the adverbial used to open the final paragraph.

Identify the type of this adverbial. Put 'X' in the correct box.

Time

Place

Frequency

2. Which word is repeated in the second paragraph to emphasise it as a key word in the narrative?

3. True or false? If the second and third paragraphs were swapped, the story would still make sense. Explain your answer.

4. Write the pronouns and possessive determiners that the writer has used in the final paragraph to help link the paragraphs together.

## Wednesday – Organising Paragraphs within Texts

Read the following text, then answer the questions below.

Angelo could not find anything to persuade him to pick up his brush and begin painting again. He knew that he had not caused the hospital to burn down. He knew he had not caused the town's river to run dry. He knew the death of his unborn son was not caused by his painting. Each tragic thing had coincided with the timing of the completion of his paintings. It made no sense for him to link his work with these unrelated disasters. He painted the hospital his son would be born in. He painted the river they would play in together. He painted his beautiful pregnant wife. He painted the things he loved and he loved the things he painted. Now that had all changed.

A long time ago, Angelo had painted many things without trouble. He had painted famous architecture, royals and all kinds of landscapes, and nothing bad ever followed. Angelo liked to paint the beautiful things in the world. He painted happiness and things that brought him joy. Angelo's paintings on canvas had a way of painting a smile on his own face, even when times were tough. Nonetheless, the tragedy of the happy artist is that he cannot paint over real life tragedy. That has a way of finding even those who fill their surroundings with lightness and colour.

Today, Angelo decided he was going to stop reflecting on the things he could do nothing to change. He was going to head out. He had ideas and he still had some things he could salvage. Angelo stepped outside. He breathed in the cool air and tried to freshen his mind.

5. Rewrite the sentence below, changing the adverbial without changing the meaning.

A long time ago, Angelo had painted many things without trouble.

6. Write the next sentence in the story, starting with the sentence opener below.

Later,

7. Why might the writer have chosen to repeat the word tragedy throughout the text?

# Thursday – Calculating Angles Around a Point

1. Draw lines to match up the correct degrees, number of right angles and turns.

360°

2 right angles

three quarter turn

180°

1 right angle

full turn

90°

3 right angles

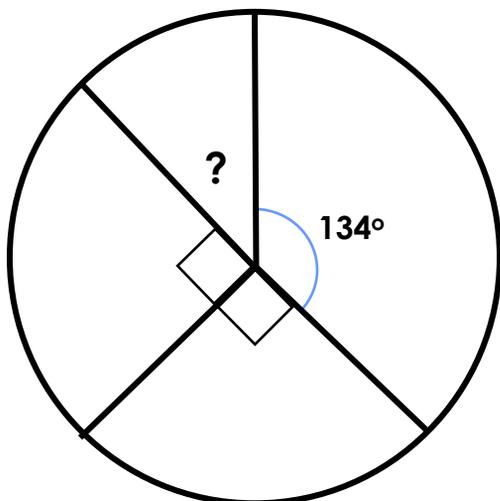
half turn

270°

4 right angles

quarter turn

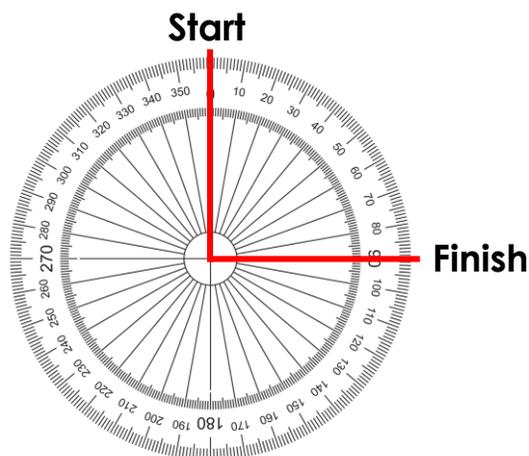
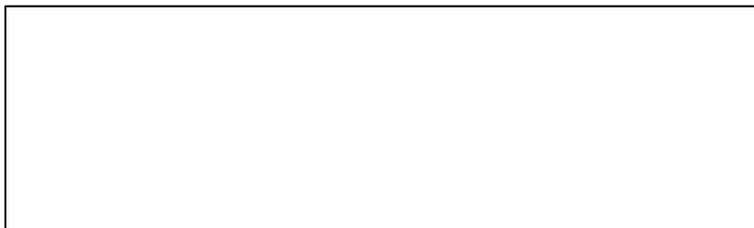
2. True or false? The missing angle is 51°. Show your working out.



3. Jakub gives these instructions. What mistake has he made? Explain your answer.



From the start, if I make a quarter turn clockwise, then a 120° turn anti-clockwise, followed by a right-angled turn anti-clockwise and a 115° turn anti-clockwise I will reach the finish.



# Thursday – Writing Challenge

Write instructions for how to make a paper aeroplane.

Things to remember:



- A title that tells the reader what the instructions are about.
- Write in the imperative: Fold the paper. Use some of the examples given.
- Organise your instructions in chronological order using numbers or bullet points.
- Be clear and concise then someone else can follow your instructions.

(un)fold

hold

crease

secure

press

flatten

lay

use

## Word Bank

vertical

horizontal

edge(s)

corner(s)

centre

angled

lengthwise

symmetrical

middle

surface

structure

triangular

# Additional Resources – Reading Comprehension

## Nothing but Net

Read the text on the following pages then answer the questions below.

1. Find and copy two sentences from the first paragraph which tells you that the incident was sudden and life threatening.

2. What techniques does the author use to convey the mother's panic? Write two.

3. '*Absolutely nailed the landing.*' What does the word 'nailed' suggest in this context?

4. List three positives that Ryan takes from the situation.

5. Look at the paragraph that begins, '*Everyone was being positive...*' Explain why everyone was being positive.

6. Write three words that tell you the nurse is excited for Ryan to meet Blaise.

7. Write three ways that Ryan and Blaise are similar.

# Additional Resources – Reading Comprehension

## Nothing but Net (continued)

8. Use the text to help you describe the Invictus Games.

9. *'Perhaps there really was a silver lining to every cloud after all.'*  
Explain what the author means by this sentence.

10. Explain how Ryan's feelings change throughout the story. Use evidence from the text.

# Additional Resources – Reading Comprehension

## Nothing but Net

A terrifying screech of tyres. A jolt of shock.  
Then nothing.

Ryan had opened his eyes again for the first time as the ambulance arrived. Bright, flashing lights and a squealing siren filled his head, which was already beginning to throb. “Ryan! Ryan! Oh, thank goodness you’re alive!” He recognised the voice as his mother’s. She must have been nearby, but his sight was so blurred that all he could do was reach up a hand. She grabbed it.

“W-wh-what happened?” he managed to mumble. Saying even that much felt like an immense effort.

“Ryan, honey, oh Ryan! You’ve been hit by a car. But everything’s gonna be okay, you hear me? You’re gonna be fine. The ambulance is here. You’re safe. The paramedics know what to do. I’ll be with you. You’ll be fine. You’ll be okay. Everything’s going to be okay. Oh Ryan, I’m so sorry! I’m so sorry!”

After all the operations were complete, the events began to piece themselves together in Ryan’s mind. He had been scootering. Nothing too crazy. Just trying to land a tail whip off the ramp he’d built with Scott on the front driveway. He’d managed it too! Absolutely nailed the landing. Perhaps too well. Like an idiot, he’d looked back to celebrate with Scott and see his reaction but had not slowed down. He rode straight off the driveway. There was no way the driver could have seen him; he had appeared in an instant from behind a parked car.

Scott said it was the scariest thing he had ever seen.

The paramedics arrived quickly and said that if Ryan had not been wearing his helmet, he probably would not have survived.

Ryan’s mum just said, “I love you, everything’s gonna be okay!” a lot.

She was right. Maybe. In one sense everything was okay. He was alive. He was not going to have any lasting effects from the injuries to his back and neck. He knew he was very fortunate.

That did not make him feel much better about his leg.

It was gone!

His left leg had taken most of the impact from the car. The doctors had tried to save it, but the surgeries had not worked, and his leg had to be amputated. Now, at ten years old, Ryan Lamotte was going to have to learn to walk again. Missing part of his leg.

Everyone was being positive, but Ryan did not care. It did not help, nor change the fact that his life was changed forever. He had already been shown some prosthetic lower legs and everyone had talked about how efficient and comfortable they were. People had talked about how he would be able to walk again, even run again, if he wore a special ‘blade’ leg. However, listening to doctors talk about how great prosthetic legs were did nothing to change the fact that Ryan would much rather have his own leg back. Nor did it change the fact that his wish would never be granted.

# Additional Resources – Reading Comprehension

## Nothing but Net (continued)

Several days later, Ryan was asleep in bed. He had become quite good at sleeping sitting upright since the surgery. Apart from watching TV and talking to people, that was all he had to do.

However, today was different. He was gently woken by a smiling nurse.

“Hello sleepy! I’ve got you a glass of water to help you wake up. I just thought you wouldn’t want to miss the treat. There’s a very special and amazing person here to meet you,” the nurse said as she beamed at him.

To meet him? Ryan was confused. His family and friends usually let him sleep if he wanted to. He had never been woken up for anything other than medical tests or meals.

A few minutes later, the kindly nurse poked her head through the curtain around his bed.

“Are you ready to meet your visitor?” she asked, her eyes twinkling.

“Meet who?” Ryan asked, but the head had disappeared. The curtains were thrown back. A confident middle-aged man walked into view. In one hand, he held a basketball; in the other, some sort of jersey.

“Ryan, it’s a pleasure to meet you. I’m Blaise. I hope you don’t mind me visiting. I heard about what had happened to you, and because I know a thing or two about what you’re going through, I wanted to come and say hello. I’ve also heard you’re a Raptors fan. Is that true?”

“I love the Raptors!” he smiled.

“Good. That’s the right answer! I love them too! So we can stay friends now.” Blaise laughed as he held up the basketball. “I thought you might want this,” he said. Ryan took it but was still confused.

“Thank you,” he said, “but I won’t be able to play with it.”

Sympathy filled Blaise’s eyes.

“Do you know what this is?” he asked, holding up the jersey. Ryan shook his head. “It’s a Team Canada wheelchair basketball jersey from this year’s Invictus Games. The Games are happening right here in Toronto. All of us on the team have signed it!”

“Wheelchair basketball? Team Canada? You mean you..?” Ryan could not help glancing at Blaise’s legs. The older man nodded. Reaching down, he rolled up his trouser leg. He had a prosthetic foot!

“I lost it in Afghanistan,” he explained. “I was out there with the Canadian Army. It’s hard to get your head around losing part of your body, isn’t it?” Ryan nodded. He would not have guessed the man was missing a foot. He also could not believe there might be basketball in his future after all.

“So you play wheelchair basketball?” Ryan asked. Blaise smiled and nodded.

“I can hit a three-pointer. Nothing but net. Not many NBA players can do that sitting down! Have you heard of the Invictus Games? No? Not really? Well, it’s a competition involving members of the armed forces who have been injured. Loads of men and women from seventeen different countries are coming to Toronto in September to compete in a bunch of different sports. I wanted to visit you because I want you to know that your life isn’t over because of your injury. Achieving success is as much a part of your life now as it ever was. Hitting a three-pointer can be as much a part of your life as it ever was. The only difference is you’ll be sitting down. And sitting down is more relaxing anyway!”

Ryan laughed for the first time in weeks. He and Blaise talked for a long time after that.

Perhaps there really was a silver lining to every cloud after all.