

# Thursday 5th February

## Morning Challenge

Discoverers:

1. Science Exit Quiz
2. Maths Morning Challenge

1 Mirrors, metal spoons and kitchen foil are made from highly \_\_\_\_\_ materials. (Tick 1 correct answer)

- reflective
- reactive
- responsive
- repulsive

2 Because they are highly reflective, mirrors are used to... (Tick 1 correct answer)

- produce light
- make light travel in curved lines
- change the direction that light travels

3 Reflected light bounces off surfaces at the same \_\_\_\_\_ as it hits them.  
(Fill in the blank)

4 If light hits a mirror at an angle of  $30^\circ$  against the normal line, what will the angle of the reflected light be? (Tick 1 correct answer)

- $20^\circ$
- $150^\circ$
- $30^\circ$
- $0^\circ$

1.What number is 100 less than 8043?

2.What are the two missing numbers?

\_\_\_\_\_, 150, 190, 230, \_\_\_\_\_, 310

3.Jack chose a number, doubled it, then added 5.  
His answer was 31.What did he start with?

4.Write one quarter as a decimal.

5.Write the missing number:

$0.7 \times \underline{\hspace{2cm}} = 700$

6. Flour costs 17p for 100g. How much would 500g cost?

7. Complete this with the correct inequality:

$0.7 \underline{\hspace{2cm}} 7/100$

8. Round 38,476 to the nearest 1000.

9.Write a prime number between 10 and 30.

10.Write the missing number:

$3 \times \underline{\hspace{2cm}} = (5 \times 6) + 3$

Thursday 5th February

TBAT: spell words with ‘ie’ or ‘ei’ after c.

Whiteboards at the ready!

Can you guess the spelling word  
based on the definition?

To deliberately mislead someone.

— — — e — — — e

The upper interior surface of a room.

i



Be presented with or given something.

— — — e — — — e

Proof of purchasing something.

e



Developing an understanding of something.

— — — — **e** — — — **e**

05.02.26

9)	8	2	10)	5	3	11)	7	5	12)	6	8
	x	4		x	8		x	3		x	6

09.02.26

# TBAT: use long division.

1.  $1,236 \div 12$

2.  $7,452 \div 18$

3.  $3,909 \div 9$

4.  $5,824 \div 16$

5.  $9,675 \div 25$

## **Challenge -**

A school fair is making gift bags.  
Each gift bag must contain 25 stickers.  
The school has 9,675 stickers altogether.  
How many full gift bags can the school make?  
How many stickers will be left over?

# Thursday 5th February

**TBAT: write a character description using adverbials and precise vocabulary.**

## 3 in 3

1. Circle the correct **pronoun** to complete each sentence below so that it is written in **Standard English**.

Where are (them / those) socks that I bought yesterday?

He looked hard but he couldn't find (them / those) amongst the rubbish.

"I like (them / those) ones," he said to his grandmother.

2. Rewrite the underlined verbs in each sentence below so that they are written in the **simple past** tense.

I am reading a book about a witch and a wizard who have to battle dark forces.



My mum is bringing me a new book home from the library.



3. Replace the underlined words in each sentence with an appropriate **contraction**.

You are not permitted to wear your football boots inside.

Unless you concentrate, I shall not help you.

Mine is the only coat left on the peg.

**CHALLENGE: Name all of the punctuation that can be used to indicate parenthesis.**

Thursday 5th February

TBAT: write a character description using adverbials and precise vocabulary.

Work in pairs to generate synonyms or more precise alternatives.

**Bold**

**Wild**

**Clever**

**Restless**

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TBAT: write a character description using adverbials and precise vocabulary.

**What are the different types of adverbials?**

**What is precise vocabulary?**

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TBAT: write a character description using adverbials and precise vocabulary.

**Key details about Lyra Belacqua:**

- A lively, adventurous girl living at Jordan College.
- Known for her quick thinking, rebellious nature and love of exploring hidden places.
- Often grubby, energetic, and impulsive.
- Strong-willed and fiercely loyal.

*Perched on the college rooftop, Lyra scanned the quad below with sharp, curious eyes. Despite her tangled hair and mud-streaked clothes, she carried herself with bold confidence. Quick-witted and always restless, she darted between chimneys like a creature who belonged in high places.*

**Can you identify the adverbials and precise vocabulary?**

# Thursday 5th February

## TBAT: write a character description using adverbials and precise vocabulary.

### Success Criteria:

- Use at least **three adverbials** to show time, place, manner or condition.
- Choose ambitious, specific vocabulary, including:
  - powerful verbs (prowled, darted, scanned)
  - precise nouns (satchel, windowsill, lantern)
  - vivid adjectives (wiry, rebellious, observant)
- Three Year 5/6 words.
- A variety of sentence structures.

What precise vocabulary has been used in this introduction?

Lyra Belacqua is a wild, energetic child who seems to belong anywhere except inside a classroom. At the heart of Jordan College, Lyra moves through the ancient corridors as if they were made for her wandering footsteps. Whether she is sprinting across the quads or slipping into forgotten corners of the building, she displays a mischievous air of restless energy wherever she goes.

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### What precise vocabulary has been used?

Lyra has a wiry, agile frame that seems built for climbing and squeezing through narrow spaces. Her hair is a rough tumble of tawny strands that often escape any attempt to tame them, giving her a windswept look even indoors. Sharp, alert eyes flicker with quick understanding and there is usually a faint trace of dust or scrapes on her skin from her latest scramble across the college grounds. Her clothes sit slightly askew and well-worn, as if they have weathered more adventures than any child's outfit should.

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### What precise vocabulary has been used?

Lyra is naturally adventurous and rarely stays still for long, always eager to explore whatever lies beyond the next doorway or rooftop. She acts on her instincts quickly and impulsively - leaping into situations without thinking about the consequences. Her sharp mind helps her think of clever solutions on the spot and she isn't afraid to speak up when something feels unfair. Although she can be stubborn and a little reckless, her loyalty to the people she cares about shines through in the choices she makes. With Pan beside her, she moves through the world with a bold sense of purpose that can often get her into trouble.

05.02.26

Before Lunch Booster

$$39.32 + 2879.65 =$$

$$25367 \times 7 =$$

$$9080 - 23.568 =$$

$$3671 \times 34 =$$

$$2277 \div 3 =$$

$$3/4 \text{ of } 592 =$$

$$2688 \div 21 =$$

$$8/9 \times 3060 =$$

05.02.26

## Reading Intervention

1. What objects could Leo see on the shelves inside the science store? (1 mark)
2. The mirror's surface is described as “*cloudy*”. What does this word suggest about how the mirror looks? (1 mark)
3. How do we know that Leo is starting to feel nervous when he looks at the mirror? Use evidence from the text. (2 marks)
4. Why do you think the author describes the mirror as tilting “*as if it were watching him*”? (2 marks)
5. What do you think the line “*Mirrors show more than faces*” suggests about the mirror? Explain your answer. (2 marks)

### **The Mirror in the Science Store**

Leo pressed his nose against the dusty window of the science store. Inside, shelves sagged beneath jars of magnets, tangled wires and odd-looking lenses. At the back of the shop, something caught his eye.

A mirror stood alone on a wooden stand. It wasn't large or shiny like the ones at home. Its surface looked cloudy, as if it had been breathed on and never wiped clean.

Leo stepped inside.

“Careful what you touch,” croaked the shopkeeper without looking up from his book.

Leo moved closer to the mirror. As he tilted his head, the reflection didn't quite follow. His smile appeared a moment too late. When he raised his hand, the image shimmered.

He stepped back, heart thudding. The mirror tilted forward on its stand, just slightly, as if it were watching him.

The shop felt suddenly smaller.

“Mirrors show more than faces,” the shopkeeper muttered.

Leo didn't ask what that meant. He backed away slowly, never taking his eyes off the glass...

05.02.26

TBAT: design a poster showing your "message to the world."



Thursday 5th February

# Dance

To copy and create actions with consideration to stimulus.

## Success Criteria

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- Consider dynamics and facial expressions.
- Use dance actions to tell the story.