

**FSCE STYLE**  
**Entrance Test**  
**for Entry into Year 7**

**MOCK 1 PAPER 1**

**YEAR 7 MOCK ENTRANCE TEST FOR SCHOOLS**

Name:

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Primary School:

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Test Date:

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**40 minutes**

Each section is timed separately.

Read the instructions at the start of each section.

**You must NOT open this booklet until you are told to do so.**

## Section 1: Comprehension

### Instructions

Carefully read the text, then answer the questions that follow.

Select the **best** answer by shading one of the ovals **A–D** on your answer sheet.

There is only **one** correct answer for each question.

Shade only **one** oval for each question.

You have **5 minutes** to look at the example questions.

### Example

The Great Wall of China, an iconic symbol of ancient engineering, stretches over 13,000 miles across northern China, winding up and down across mountains and plateaus like a dragon. Construction of the wall began in the 7th century BC, with significant expansions during the Ming Dynasty (1368–1644 AD). Originally built to defend against invasions, the wall now stands as a testament to China's rich history and attracts millions of visitors annually.

i

Approximately how long is the Great Wall of China?

- A 5,000 miles
- B 8,000 miles
- C 10,000 miles
- D 13,000 miles

The correct answer is **D**.

ii

What was the primary purpose of the Great Wall of China when it was built?

- A To serve as a trade route.
- B To defend against invasions.
- C To mark territorial boundaries.
- D To promote tourism.

The correct answer is **B**.

**You have 20 minutes for this section. There are 20 questions to answer.**

## **Treasure Island by Robert Louis Stevenson**

The appearance of the island when I came on deck next morning was altogether changed. Although the breeze had now utterly ceased, we had made a great deal of way during the night and were now lying becalmed about half a mile to the south-east of the low eastern coast. Grey-coloured woods covered a large part of the surface. This  
5 even tint was indeed broken up by streaks of yellow sand-break in the lower lands, and by many tall trees of the pine family, out-topping the others—some singly, some in clumps; but the general colouring was uniform and sad. The hills ran up clear above the vegetation in spires of naked rock. All were strangely shaped, and the Spy-glass, which was by three or four hundred feet the tallest on the island, was likewise the strangest in  
10 configuration, running up sheer from almost every side and then suddenly cut off at the top like a pedestal to put a statue on.

The Hispaniola was rolling scuppers under in the ocean swell. The booms were tearing at the blocks, the rudder was banging to and fro, and the whole ship creaking, groaning, and jumping like a manufactory. I had to cling tight to the backstay, and the world turned  
15 giddily before my eyes, for though I was a good enough sailor when there was way on, this standing still and being rolled about like a bottle was a thing I never learned to stand without a qualm or so, above all in the morning, on an empty stomach.

Perhaps it was this—perhaps it was the look of the island, with its grey, melancholy woods, and wild stone spires, and the surf that we could both see and hear foaming and  
20 thundering on the steep beach—at least, although the sun shone bright and hot, and the shore birds were fishing and crying all around us, and you would have thought anyone would have been glad to get to land after being so long at sea, my heart sank, as the saying is, into my boots; and from the first look onward, I hated the very thought of Treasure Island.

25 We had a dreary morning's work before us, for there was no sign of any wind, and the boats had to be got out and manned, and the ship warped three or four miles round the corner of the island and up the narrow passage to the haven behind Skeleton Island. I volunteered for one of the boats, where I had, of course, no business. The heat was sweltering, and the men grumbled fiercely over their work. Anderson was in command of  
30 my boat, and instead of keeping the crew in order, he grumbled as loud as the worst. "Well," he said with an oath, "it's not forever."

I thought this was a very bad sign, for up to that day the men had gone briskly and willingly about their business; but the very sight of the island had relaxed the cords of discipline.

35 All the way in, Long John stood by the steersman and conned the ship. He knew the passage like the palm of his hand, and though the man in the chains got everywhere more water than was down in the chart, John never hesitated once.

"There's a strong scour with the ebb," he said, "and this here passage has been dug out, in a manner of speaking, with a spade."

40 We brought up just where the anchor was in the chart, about a third of a mile from each shore, the mainland on one side and Skeleton Island on the other. The bottom was clean sand. The plunge of our anchor sent up clouds of birds wheeling and crying over the woods, but in less than a minute they were down again and all was once more silent. The place was entirely land-locked, buried in woods, the trees coming right down to

45 high-water mark, the shores mostly flat, and the hilltops standing round at a distance in a sort of amphitheatre, one here, one there. Two little rivers, or rather two swamps, emptied out into this pond, as you might call it; and the foliage round that part of the shore had a kind of poisonous brightness. From the ship we could see nothing of the house or stockade, for they were quite buried among trees; and if it had not been for the chart

50 on the companion, we might have been the first that had ever anchored there since the island arose out of the seas.

There was not a breath of air moving, nor a sound but that of the surf booming half a mile away along the beaches and against the rocks outside. A peculiar stagnant smell hung over the anchorage—a smell of sodden leaves and rotting tree trunks. I observed the

55 doctor sniffing and sniffing, like someone tasting a bad egg.

"I don't know about treasure," he said, "but I'll stake my wig there's fever here."

**Now answer these questions.**

## Section 1: Comprehension

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1. What is the position of the ship when Jim came on deck the next morning?

- A Anchored near the western coast.
- B About half a mile to the south-east of the low eastern coast.
- C Sailing swiftly along the northern shore.
- D Moored beside a sandy beach.

2. Choose a synonym for the word '**becalmed**', in the context of the passage. (Line 3)

- A anchored
- B stranded
- C motionless
- D damaged

3. What natural features broke up the uniform grey of the island's woods? (Line 4)

- A Lakes and rivers
- B Streaks of yellow sand and tall pine trees.
- C Fields of wildflowers
- D Snow-capped mountains

4. What does the phrase 'spires of naked rock' suggest about the hills? (Line 8)

- A They are covered in thick vegetation.
- B They are smooth and rounded.
- C They are tall, pointed, and bare.
- D They are made of soft soil.

5.

What is described in the extract as 'running up sheer from almost every side and then suddenly cut off at the top like a pedestal to put a statue on'? (Lines 10-11)

- A The grey-coloured woods
- B The yellow sand-breaks
- C The tall pine trees
- D The Spy-glass hill

6.

Select the most accurate word to describe the narrator's first impression of the island.

- A anxious
- B indifferent
- C elated
- D disappointed

7.

What is the quote below an example of? **'being rolled about like a bottle'** (Line16)

- A alliteration
- B simile
- C personification
- D metaphor

8.

What was the crew's task in the morning?

- A Exploring the island and starting a fire.
- B Repairing the ship and replenishing stock.
- C Mapping the coastline.
- D Boats manned and the ships warped.

---

9.

Why do you think Jim volunteered for one of the boats, even though he had no business there?

- A He felt uneasy and preferred activity over idleness.
- B He wanted to prove his bravery.
- C He was eager to explore the island.
- D He was trying to avoid a particular person.

---

10.

Who was in command of the boat the author worked on?

- A The captain
- B The steersman
- C Anderson
- D John

---

11.

What does the word '**conned**' mean in the context:  
'Long John stood by the steersman and conned the ship'?

- A deceived
- B navigated
- C repaired
- D cleaned

---

12.

What action does the plunge of the anchor cause?

- A The birds to fly up over the woods.
- B Clouds of sand to engulf the boat.
- C It turns the rivers into swamps.
- D It buries the house amongst the trees.

---

13. What do you think is meant by, '**the foliage round that part of the shore had a kind of poisonous brightness**'?

- A The vegetation appeared unusually vibrant, almost suggesting it might be toxic or dangerous.
- B The plants were emitting a bright light, indicating the presence of bioluminescence.
- C The leaves had a metallic sheen, implying they were covered in a harmful substance.
- D The plants were wilting and discoloured, showing signs of being poisoned.

---

14. Choose an antonym for the word '**stagnant**'.

- A flowing
- B frozen
- C still
- D rapid

---

15. What observation did the doctor make about the anchorage?

- A He believed it was an ideal spot for treasure hunting.
- B He suspected the area might be prone to fever.
- C He thought the water was too shallow for anchoring.
- D He felt the anchorage was well protected from storms.

---

16. How does the crew's attitude change upon sighting the island?

- A They become more disciplined.
- B They grow increasingly discontented.
- C They are eager to explore.
- D They become fearful.



---

**17.** Select the most accurate word to describe the tone of the text.

- A** persuasive
- B** informative
- C** entertaining
- D** objective

---

**18.** What is the primary purpose of this extract?

- A** To describe the daily life of sailors at sea.
- B** To provide a detailed and suspenseful description of the island and anchorage.
- C** To explain how to navigate a ship through dangerous waters.
- D** To warn the crew about the dangers of treasure hunting.

---

**19.** How does the author create a sense of unease about the island?

- A** By using bright and cheerful imagery to mislead the reader.
- B** By having the characters express excitement about exploring.
- C** By using sensory details such as eerie silence, stagnant smells and poisonous brightness.
- D** By focusing only on the dangerous animals in the jungle.

---

**20.** What overall theme is reinforced by the doctor's final statement?

- A** The idea that treasure hunting is always dangerous.
- B** The warning that humans are not meant to explore unknown lands.
- C** The importance of trusting an experienced sailor like Long John Silver.
- D** The contrast between expectation and reality – what seems exciting can turn out to be dangerous.

## Section 2: Vocabulary

### Instructions

Read the word in the question box. What does it mean? Which one of the answer options A–E means the same, or nearly the same, as the word in the question?

Answer by shading one of the ovals A–E on your answer sheet.

Find the best answer for each question.

There is only one correct answer. Shade only one oval for each question.

### Example

i

Fragile

A	B	C	D	E
strong	delicate	rough	heavy	durable

The correct answer is **B**, delicate.

You have **5 minutes** for this section.

There are **15 questions** to answer.

## Section 2: Vocabulary

### 1 **Elated**

A	B	C	D	E
miserable	hopeful	joyful	confused	restless

### 2 **Impartial**

A	B	C	D	E
unfair	biased	neutral	prejudiced	indifferent

### 3 **Rigid**

A	B	C	D	E
flexible	stiff	soft	gentle	loose

### 4 **Diminish**

A	B	C	D	E
increase	reduce	strengthen	widen	accelerate

### 5 **Vigorous**

A	B	C	D	E
weak	lazy	energetic	careful	drowsy

### 6 **Tolerate**

A	B	C	D	E
endure	reject	oppose	ignore	welcome

**7 Summon**

A	B	C	D	E
dismiss	call	disperse	scatter	hide

**8 Wary**

A	B	C	D	E
cautious	reckless	trusting	bold	thoughtless

**9 Haste**

A	B	C	D	E
delay	slowness	hesitation	patience	speed

**10 Reckless**

A	B	C	D	E
careless	thoughtful	cautious	nervous	wise

**11 Eloquent**

A	B	C	D	E
clumsy	fluent	hesitant	rude	incoherent

**12 Flourish**

A	B	C	D	E
wither	prosper	fail	decline	stagnate

13

**Scornful**

A	B	C	D	E
admiring	kind	disdainful	friendly	sympathetic

14

**Tedious**

A	B	C	D	E
exciting	brief	engaging	boring	impressive

15

**Sceptical**

A	B	C	D	E
doubtful	trusting	hopeful	cheerful	confident

## Section 3: Missing Letters

### Instructions

Carefully read the sentences below. Some words have missing letters.

Fill in the missing letters to complete the words so that each sentence makes sense.

Choose the **best** answer to complete each word. There is only **one** correct answer for each question.

Complete the words on your answer sheet by writing **one** letter in each box.

Answer using CAPITAL LETTERS.

### Example

i

The scientist **co-----ed** a series of experiments to test the theory.

The correct word is **conducted**.

**The missing letters are NDUCT.**

You have **10 minutes** for this section.

There are **20 questions** to answer.

### Section 3: Missing Letters

1 His story was so **co-----ing** that everyone believed him instantly.

2 She **hur-----y** packed her suitcase before leaving for the airport.

3 The ancient manuscript was so **f-a---e** that it had to be handled with care.

4 The students were asked to **a--l--e** the poem in great detail.

5 The actor was **co---nd-d** for his outstanding performance in the play.

6 The two nations finally reached an agreement after months of **ne----at--ns**.

7 She was determined to **per-----e** despite the many obstacles she faced.

8 The ruins of the castle were **sh----ed** in a mysterious fog.

---

9 The artist's painting was a true **ma---rp---e** of creativity and skill.

---

10 His attitude was so negative that it **----cted** the entire team.

---

11 The little girl was **f----na--d** by the glittering fairy lights.

---

12 The soldiers displayed incredible **c--r--e** in the face of danger.

---

13 She tried to **c-n-e--** her excitement when she heard the good news.

---

14 The library was a vast **r--os---ry** of knowledge and wisdom.

---

15 He looked at the **int---a--** pattern with deep contemplation.

---

16 The monsoon rains caused **se-----** flooding in the region.



---

17 The queen's dress was **e-----shed** with gold thread and jewels.

---

18 The company was known for its **-th---l** business practices.

---

19 The abandoned house had an eerie and unsettling **--m----ere**.

---

20 His facial expression was almost **--r--da--e**, revealing nothing.

**END OF PAPER 1**

## ANSWER SHEET – Mock 1 Paper 1

### English – Comprehension

	Questions			
	A	B	C	D
1.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Questions			
	A	B	C	D
11.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### English – Vocabulary

	Questions				
	A	B	C	D	E
1.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Questions				
	A	B	C	D	E
9.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## ANSWER SHEET – Mock 1 Paper 1

### English – Missing Letters

1. 

C	O						I	N	G
---	---	--	--	--	--	--	---	---	---

2. 

H	U	R						Y
---	---	---	--	--	--	--	--	---

3. 

F		A				E
---	--	---	--	--	--	---

4. 

A			L			E
---	--	--	---	--	--	---

5. 

C	O				N	D		D
---	---	--	--	--	---	---	--	---

6. 

N	E					A	T			N	S
---	---	--	--	--	--	---	---	--	--	---	---

7. 

P	E	R						E
---	---	---	--	--	--	--	--	---

8. 

S	H					E	D
---	---	--	--	--	--	---	---

9. 

M	A				R	P				E
---	---	--	--	--	---	---	--	--	--	---

10. 

				C	T	E	D
--	--	--	--	---	---	---	---

## ANSWER SHEET – Mock 1 Paper 1

11.

F					N	A			D
---	--	--	--	--	---	---	--	--	---

12.

C			R			E
---	--	--	---	--	--	---

13.

C		N		E		
---	--	---	--	---	--	--

14.

R			O	S				R	Y
---	--	--	---	---	--	--	--	---	---

15.

I	N	T				A		
---	---	---	--	--	--	---	--	--

16.

S	E				
---	---	--	--	--	--

17.

E							S	H	E	D
---	--	--	--	--	--	--	---	---	---	---

18.

	T	H				L
--	---	---	--	--	--	---

19.

		M					E	R	E
--	--	---	--	--	--	--	---	---	---

20.

		R			D	A			E
--	--	---	--	--	---	---	--	--	---

**FSCE STYLE**  
**Entrance Test**  
**for Entry into Year 7**

**MOCK 1 PAPER 2**

**YEAR 7 MOCK ENTRANCE TEST FOR SCHOOLS**

Name:

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Primary School:

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Test Date:

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**40 minutes**

**You must NOT open this booklet until you are told to do so.**

## Creative Writing

### Instructions

You should spend **10 minutes** planning your answer.

Use the space in this question booklet to make rough notes and plan your answer. This will **NOT** be marked.

You must **NOT** write on your answer sheet during this planning time.

You will be told when your planning time has finished and you can start writing your answer.

You should spend **30 minutes** writing your answer.

Write your answer on the separate answer sheet.

There is no additional paper, so please keep your answer to two sides only.

**ONLY the answer sheet will be marked.**

## Creative Writing

### Question

Write a story based on the theme of an unexpected journey. Your title should be: 'The Journey'.

You could consider:

- Making sure you write an exciting story.
- Having a beginning, middle and end.
- Describing what was the unexpected journey and why it is important to your story.
- Introducing some characters.
- How the characters interact.
- How the characters are feeling.
- What the characters learn from the journey.

You may use the space below and on the next page to plan your answer.

You must **NOT** write on your answer sheet during this planning time.

**Use this section to plan your story.**

## Creative Writing







# **FSCE STYLE Entrance Test for Entry into Year 7 MOCK 1 PAPER 3**

**YEAR 7 MOCK ENTRANCE TEST FOR SCHOOLS**

Name:

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Primary School:

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Test Date:

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**40 minutes**

Each section is timed separately.  
Read the instructions at the start of each section.

**You must NOT open this booklet until you are told to do so.**

## Section 1: Multiple Choice

### Instructions

Read each question carefully.

You can use the space after each question for working out, but you will not get any marks for your working out.

Answer by shading one of the ovals **A–D** on your answer sheet.

There is only **one** correct answer.

Shade only **one** oval for each question.

### Example

i

What is the value of 3 in 8,739?

- A**    3
- B**    30
- C**    300
- D**    3,000

The correct answer is **B**.

You have **20 minutes** for this section.

There are **25 questions** to answer.

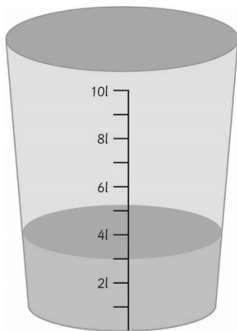
## Section 1: Multiple Choice

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1. A right-angled triangle has one angle that is  $60^\circ$ . What are the other two angles?

- A All angles are  $60^\circ$
- B  $90^\circ$  and  $30^\circ$
- C This cannot make a valid triangle.
- D  $60^\circ$  and  $90^\circ$

2. Tariq adds 2500ml of water into this bucket. How many litres of water are in the bucket now?



- A 3,000ml
- B 4.5l
- C 5.5l
- D 7l

3. Calculate the value of:

$$2\frac{1}{2} - 1\frac{7}{8} =$$

- A  $1\frac{3}{4}$
- B  $1\frac{1}{4}$
- C 1
- D  $3\frac{3}{4}$

## Section 1: Multiple Choice

---

**4.** Which is the largest number?

**0.27    $\frac{1}{2}$     $\frac{1}{5}$    0.52**

**A**   0.27

**B**    $\frac{1}{2}$

**C**    $\frac{1}{5}$

**D**   0.52

---

**5.** Which number is closest to 0.19?

**0.27    $\frac{1}{2}$     $\frac{1}{5}$    0.52**

**A**   0.27

**B**    $\frac{1}{2}$

**C**    $\frac{1}{5}$

**D**   0.52

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**6.** The total flying time from Abuja to New York via London is 15 hours. The section from Abuja to London takes 40% of the time. The flight takes off from Abuja at 10.20am.

Abuja is 1 hour ahead of London. What time does the flight land in London?

**A**   3:20pm

**B**   1:20am

**C**   6:20am

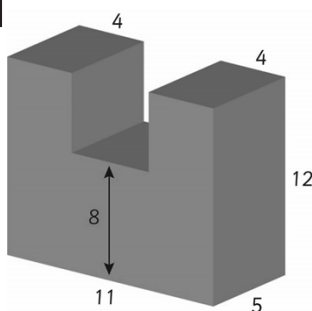
**D**   4:20pm

## Section 1: Multiple Choice

7. There is a stopover in London of 3 hours. New York is 5 hours behind London. What time does the flight land in New York?

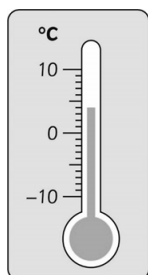
A 10:20pm  
B 3:20am  
C 4:20am  
D 1:20am

8. What is the volume of this shape? (All measurements are in cm.)



A  $568\text{cm}^3$   
B  $800\text{cm}^3$   
C  $600\text{cm}^3$   
D  $660\text{cm}^3$

9. Amy took the temperature at 10am as seen on this thermometer. 13 hours later the temperature had reduced by 7 degrees. What was the temperature then?



A  $7^\circ$   
B  $-5^\circ$   
C  $-1^\circ$   
D  $-3^\circ$

## Section 1: Multiple Choice

10. This is a train timetable for the Edinburgh to Kings Cross train.

Explore Travel – Train Timetable			
Edinburgh	05:58	08:25	09:45
Newcastle	07:42	10:10	11:30
Doncaster	09:16	11:42	13:13
Kings Cross	10:53	13:20	14:14

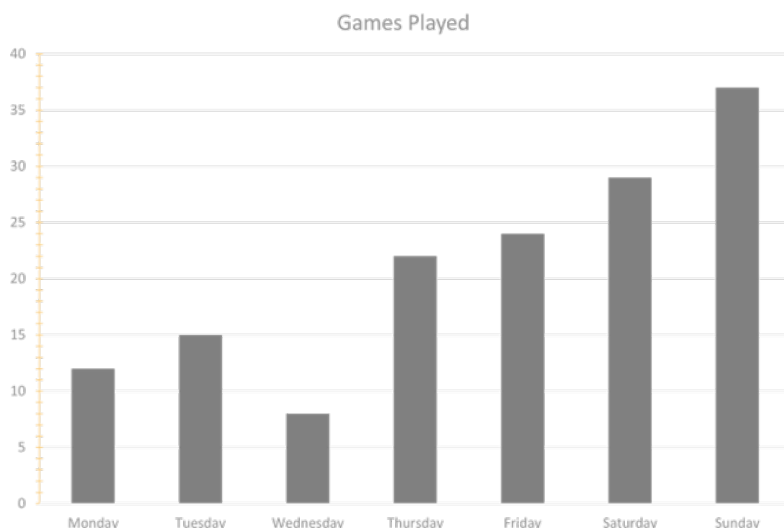
If the 05:58 left 17 minutes late, what time would passengers arrive at Doncaster?

- A 09:00
- B 07:52
- C 09:33
- D 10:33

11. A replacement bus is needed for the 08:25 from Edinburgh between Newcastle and Doncaster. The bus takes 2 hours and 10 minutes. How late will the passengers arrive in Doncaster?

- A 0 minutes
- B 2 hours and 10 minutes
- C 12 minutes
- D 38 minutes

The graph below shows the number of basketball games played at a leisure centre over a week. Use the graph to answer questions 12 – 14.





## Section 1: Multiple Choice

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**12.** What was the total number of games at the weekend?

- A** 66
  - B** 56
  - C** 90
  - D** 147
- 

**13.** What is the range between the numbers of games played across the week?

- A** 34
  - B** 20
  - C** 147
  - D** 29
- 

**14.** What was the mean number of games played per day?

- A** 21
  - B** 20
  - C** 22
  - D** 23
- 

**15.** Calculate  $17.3 + 12.9 =$

- A** 30.1
- B** 29.9
- C** 30.2
- D** 31.2

## Section 1: Multiple Choice

---

16. Calculate  $7.2 \times 11.4 =$

- A 82.08
- B 82.0
- C 87.2
- D 82.8

17. Find 15% of 150.

- A 12.5
- B 22.5
- C 1.5
- D 19.5

18. Joao runs a restaurant. The first customer buys a biscuit, a banana and a bottle of water for £4. The second customer buys 2 bottles of water, a banana and a biscuit for £6. The third customer buys 2 biscuits, a banana and a bottle of water for £5.50.

How much does a biscuit cost?

- A £1.50
- B £1.00
- C £2.50
- D £0.50

## Section 1: Multiple Choice

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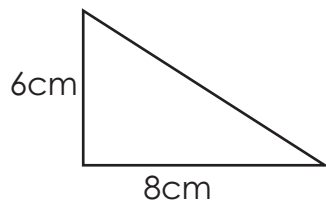
19. How much does a banana cost?

- A £1.50
  - B £1.00
  - C £2.50
  - D £0.50
- 

20. How much does a bottle of water cost?

- A £1.50
  - B £0.50
  - C £1.00
  - D £2.00
- 

21. Calculate the area of this triangle.



- A  $46\text{cm}^2$
- B  $32\text{cm}^2$
- C  $24\text{cm}^2$
- D  $16\text{cm}^2$

## Section 1: Multiple Choice

---

22. What is the value of  $p$  in  $3p^2 = 108$ ?

- A 4
- B 9
- C 3
- D 6

23. Miss Miller's class recorded the number of each type of bird they saw from the classroom window.

Pigeon	Wren	Sparrow	Blackbird
32	3	8	7

What percentage of the birds were pigeons?

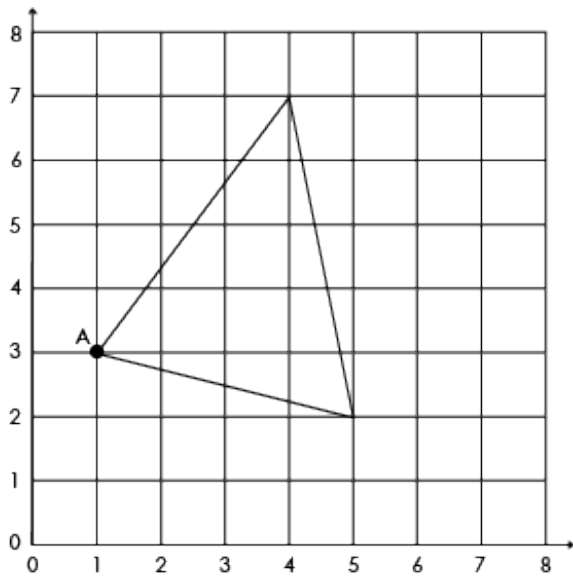
- A 12%
- B 64%
- C 56%
- D 32%

24. What is the value of  $j$  in this equation:  $\frac{j + 8.5}{60} = 20\%$

- A 1.5
- B 68.5
- C 42.5
- D 3.5

## Section 1: Multiple Choice

25. The triangle on the grid below has been translated 2 squares left and 3 squares down. What were the original coordinates of point A?



- A (0,-1)
- B (0,3)
- C (3,6)
- D (6,3)

## Section 2: Free Response

### Instructions

Read each question carefully.

You can use the space after each question for working out, but you will not get any marks for your working out.

Write your answers on your answer sheet by writing **one** number in each box.

### Example

i

A rectangle has a length of 5cm and a width of 3cm. What is the perimeter?

The correct answer is **16cm**.

You have **20 minutes** for this section.

There are **20 questions** to answer.

## Section 2: Free Response

---

1. Round 22,745 to the nearest 100.

2. What is the square root of 289?

3. A right-angled triangle has one angle that is  $45^\circ$ . What are the other two angles?

4. What is the lowest common multiple of 4 and 6?

5. Calculate the value of:

$$2\frac{1}{2} - 1\frac{3}{8} =$$

6. What is the highest common factor of 18 and 36?

7. A planet rotates around a star in orbit once every 10 hours. How many orbits does the planet complete in two weeks?

## Section 2: Free Response

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8. If 5 pencils cost £2.50, how much do 8 pencils cost?

---

9. What is the volume of a cube with a side length of 3m?

---

10. Axel buys 3 notebooks at £1.20 each and 2 pens at £0.80 each. How much change will he get from £10?

---

11. A bag contains 3 red, 5 blue, and 4 green marbles. What is the probability of drawing a red marble? Give your answer as a fraction in its simplest form.

---

12. A train travels 180km in 2 hours. How long will it take the train to travel 1,260km?

---

13. If  $a = 5$ ,  $b = 3$  and  $c = 7$ , what is the value of  $(8a + 3b) \div c$ ?

---

14. What is the area of a triangle with a base of 10cm and a height of 6cm?

---



## Section 2: Free Response

---

15. The mean of five numbers is 7. The mode of the five numbers is 5. If the median is 6, what is the sum of the two smallest numbers?

16. A mobile phone contract costs £13.50 each month, plus an additional monthly charge of £3 for extra data. What is the total cost over the year?

17. What is the product of all the factors of 8?

18. What is 14,551g, rounded to the nearest kg?

19. What is the difference between the number of vertices on a cuboid and the vertices on a triangular prism?

20. I think of a number. 6% of my number is 18. What number am I thinking of?

**END OF PAPER 3**

## ANSWER SHEET – Mock 1 Paper 3

### Maths – Multiple Choice

	Questions			
	A	B	C	D
1.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Questions			
	A	B	C	D
16.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
21.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
22.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
23.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
24.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
25.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## ANSWER SHEET – Mock 1 Paper 3

### Maths – Free Response

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8. £ 

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9. 

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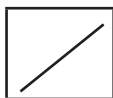
 m<sup>3</sup>

10. £ 

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## ANSWER SHEET – Mock 1 Paper 3

11.



12.

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hours

13.

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14.

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cm<sup>2</sup>

15.

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16.

£

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17.

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18.

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kg

19.

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20.

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