

WESTMINSTER SCHOOL  
THE CHALLENGE 2023

**GEOGRAPHY**

Wednesday 26 April 2023

Time allowed: 1 hour

**You must answer all of Section A and  
one question from Section B.**

**Section A is worth 25 marks and Section B is worth 25 marks**

**Answer all questions in the answer sheets provided – do not  
answer in the exam paper.**

**Start your answer to Section B on a new sheet of paper.**

**Please write in black or blue ink.**

# SECTION A (25 marks)

Answer all questions in Section A

## Question 1

Study **Figure 1** below, which shows the number of people without access to safely managed sanitation in 2020.

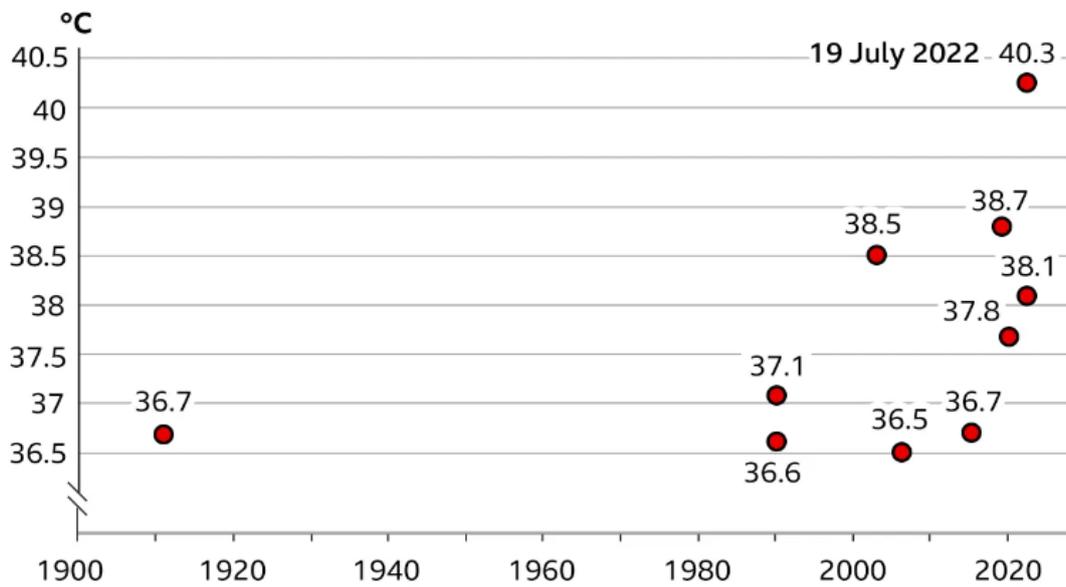
**Figure 1**



1. Which country has the greatest number of people without access to safely managed sanitation in 2020? [1]
2. Describe the global pattern of lack of access to safely managed sanitation. [2]
3. Outline two problems that exist with using this map to identify the worst affected countries in the world for lack of sanitation. [2]

## Question 2

### Top 10 hottest UK days on record



Source: Met Office



1. What is the highest ever recorded temperature in the UK? [1]
2. Describe the trend of extreme high temperatures in the UK. [2]
3. Suggest two hazards that can result from extreme temperatures occurring in a country. [2]

### **Question 3**

Study the map which shows Whitehaven, a town located on England's Northwest coast in the county of Cumbria.

The red marker symbol (966 158) shows the location of a newly proposed and approved coal mine.

- a) Using evidence from the map and your own ideas, suggest why this location may have been chosen as site for a new coal mine. [5]
  
- b) Suggest what advantages the coal mine might bring on both a local **and** national scale. [5]
  
- c) With reference to the map and your own ideas, suggest some conflicts that might arise between the local residents, mining company and environmentalists with the development of the mine. [5]

## SECTION B (25 marks)

Answer **one** of the following essay titles.

Credit will be given for reference to place specific case studies as well as to labelled diagrams which serve to support the answer.

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1. 'Renewable energy is the only form of energy production that the UK should currently be investing in'. Discuss.
2. The recent earthquake in Turkey demonstrates that natural hazards will always cause huge impacts. To what extent do you agree with this statement?
3. The war in Ukraine demonstrates how we are all affected in multiple ways by distant events. Discuss.
4. What is the value of digital mapping tools in the study of geography?
5. The growth of London creates as many challenges as it does opportunities. Discuss.

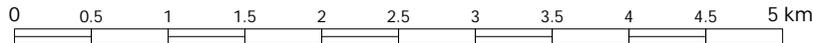


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## Digimap for Schools

Westminster School

Scale 1:49073



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Roads	
Motorway	
Elevated motorway	
Dual carriageway	
Primary route	
A road	
Minor road under 4m wide	
B road	
Other road or track	
Minor road over 4m wide	
Road under construction	
Unfenced road	
Narrow road with passing places	
Gradient: steeper than 20%	
Gradient: 14% to 20%	
Road tunnel	
Bridge	
Footbridge	
Service area	
Junction number	
Ferries	
Ferry (vehicles)	
Ferry (passenger)	
Railways	
Track	
Track under construction	
Light rapid transit system, narrow gauge or tramway	
Tunnel	
Cutting	
Principal station	
Station	
Rapid transit station	
Siding	
Railway bridges	
Railway footbridge	
Level crossing	

Viaduct	
Embankment	
Paths and access	
Paths	
Footpath	
Bridleway	
Road used as a public path	
Byway (all traffic)	
Other route	
National trail	
Cycle route (on road)	
Cycle route (traffic free)	
Cycle network (national)	
Cycle network (regional)	
Danger area	
Buildings	
Buildings	
Public buildings (selected)	
Glasshouse	
Place of worship with tower	
Place of worship with spire	
Place of worship without additions	
Youth hostel	
Bus or coach station	
Structures	
Lighthouse	
Lighthouse (disused)	
Windmill	
Beacon	
Radio or TV mast	
Wind generator	
Wind turbine	
Electricity transmission line	
Pipe line	
Heliport	

Triangulation pillar	
Cutting	
Embankment	
Landscape and landcover	
Coniferous wood	
Non-coniferous wood	
Mixed wood	
Orchard	
Park or ornamental gardens	
Landfill site or slag/spoil heap	
Water features	
Lake	
River	
Canal, lock and towpath	
Dry canal	
Ford	
Weir	
Bridge	
Footbridge	
Aqueduct	
Normal tidal limit	
Marsh or salting	
Mudflats	
Sand foreshore	
Dunes	
Shingle	
Cliffs	
Flat rocks	
Slopes	
High water mark	
Low water mark	
Rock Features	
Cliff	
Outcrop	
Scree	
Boundaries	
National trail	
County, unitary authority of metropolitan district	

District	++++
National or forest park	
<b>Height information</b>	
Contours with 10m vertical interval	
Spot height	·144
<b>Heritage</b>	
Site of monument	+
Battlefield (with date)	✕
Visible earthwork	*....
Roman	<b>VILLA</b>
Non-Roman	<b>Castle</b>
<b>Access Land</b>	
Access land	
Forestry Commission	
Natural Resources Wales	
National Trust (always open)	
National Trust (limited access)	
National Trust for Scotland (always open)	
National Trust for Scotland (limited access)	
Forestry Division Plantation (Isle of Man)	
Manx National Heritage	
<b>Tourist information</b>	
Viewpoint 180°	
Viewpoint 360°	
Visitor centre	
Walks and trails	
Nature reserve	
Picnic site	
Youth hostel	
Golf course or links	
Garden or arboretum	
Campsite	
Caravan site	
Camping and caravan site	
Information centre (all year)	
Information centre (seasonal)	
Parking	

Park and ride (all year)	
Park and ride (seasonal)	
Public telephone	
Emergency telephone	
Recreation, leisure or sports centre	
World Heritage site	
Selected places of tourist interest	
<b>Abbreviations</b>	
Bridge	Br
Cemetery	Cemy
Cattle grid	CG
Clubhouse	CH
College	Coll
Farm	Fm
House	Ho
Hospital	Hosp
Milepost	MP
Milestone	MS
Museum	Mus
Post office	P
Public convenience	PC
Public house	PH
Station	Sta
School	Sch
Town Hall	TH
University	Univ