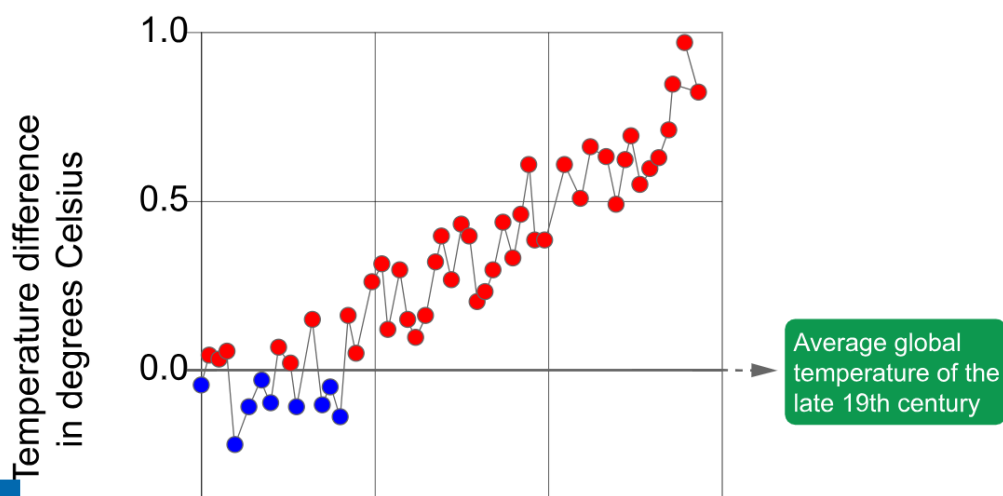


Question 1 (2 marks)

**Source A** shows how much warmer or cooler the Earth's surface temperature was compared with the average global temperature of the late 19<sup>th</sup> century.

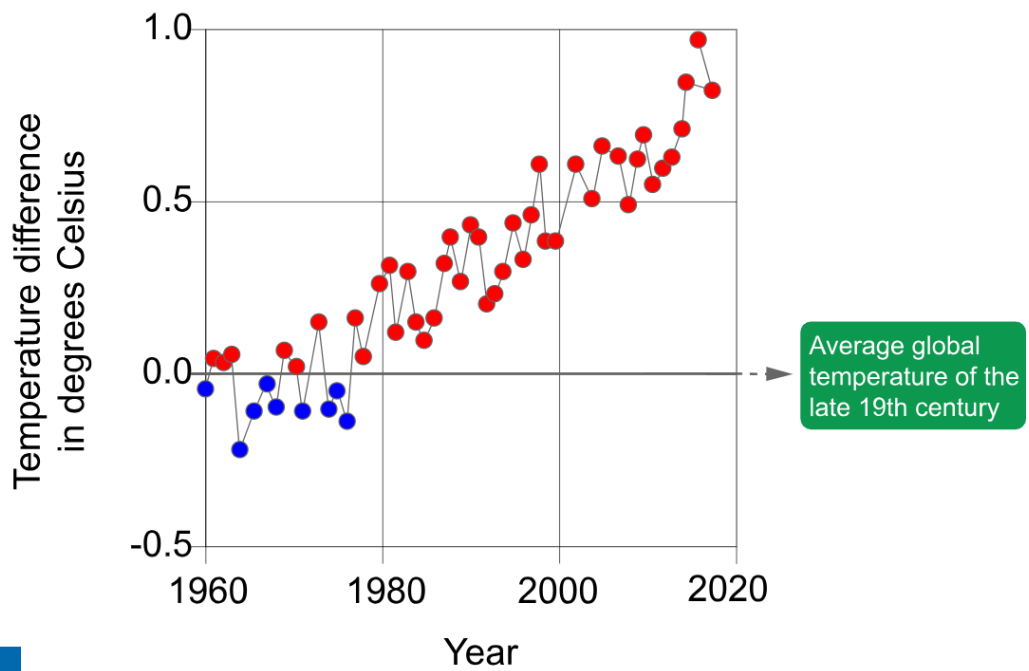
Look at the graph and answer the question that follows.

Yearly average global temperature change: 1960–2019



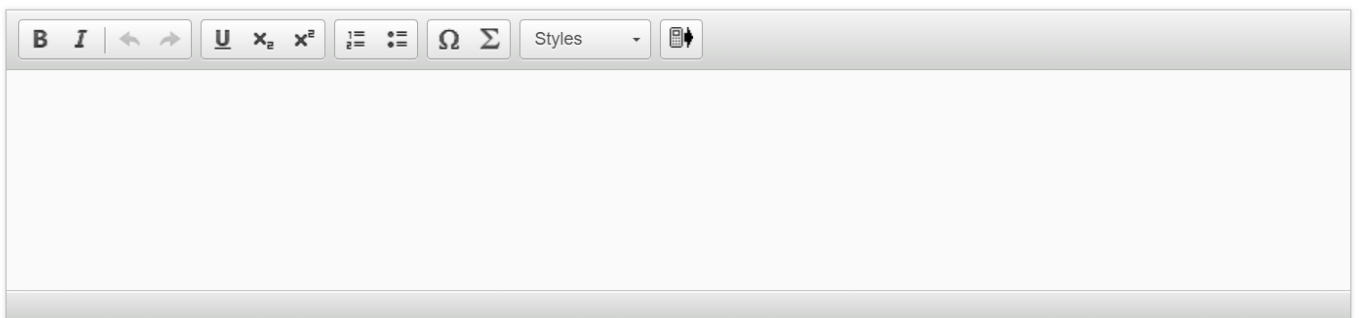
Look at the graph and answer the question that follows.

Yearly average global temperature change: 1960–2019



Scroll down to continue

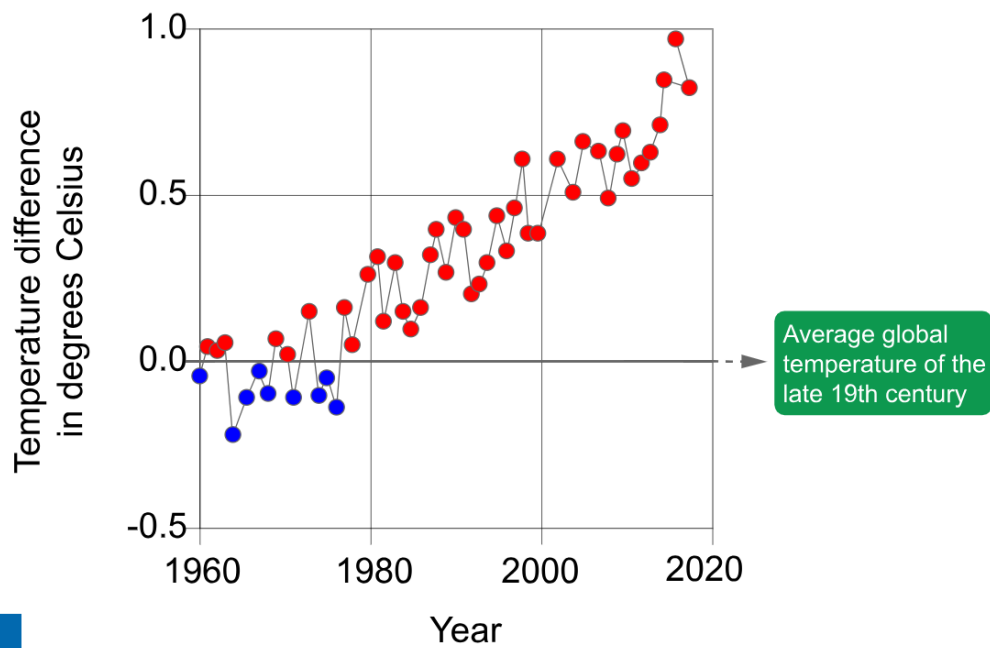
Using data from **Source A**, **outline** the trend in global temperatures from 1960–2019.



A rich text editor toolbar with the following icons from left to right: Bold (B), Italic (I), Undo (left arrow), Redo (right arrow), Underline (U), Subscript (x<sub>2</sub>), Superscript (x<sup>2</sup>), Bulleted List (three horizontal lines with a dot), Numbered List (three horizontal lines with numbers), Link (Ω), Unlink (Σ), Styles (a dropdown menu labeled 'Styles'), and a mobile device icon.

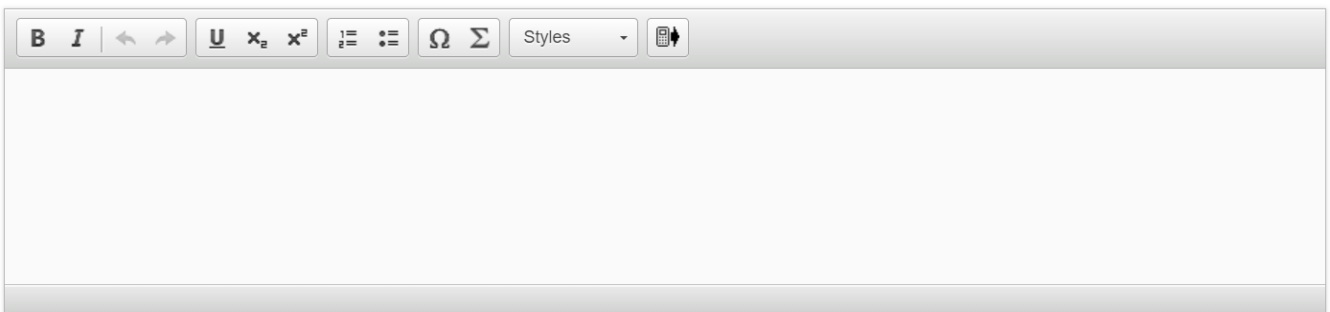
Source A is repeated below for reference.

Yearly average global temperature change: 1960–2019



Scroll down to continue

**Explain** how the trend shown in **Source A** could be caused by **one** human activity.



A rich text editor toolbar with the following icons from left to right: Bold (B), Italic (I), Undo (left arrow), Redo (right arrow), Underline (U), Subscript (x<sub>2</sub>), Superscript (x<sup>2</sup>), Bulleted List (three horizontal lines with a dot), Numbered List (three horizontal lines with numbers), Link (Ω), Unlink (Σ), Styles (a dropdown menu labeled 'Styles'), and a mobile view icon (a smartphone).



**Question 3** (8 marks)

Look at **Source B** below and answer the question that follows.

Source B

This media is interactive



“...I’ve learned that you are never too small to make a difference”

Greta Thunberg

The image shows a young girl, Greta Thunberg, at a climate protest. She is wearing a bright yellow raincoat and a white knit hat. She is holding a white sign with the Swedish text "SKOLSTREJK FÖR KLIMATET" (School strike for the climate). The background shows other protesters and a city street. The image is part of an interactive media element, as indicated by the navigation arrows on the left and right sides of the image frame.

Source B



Greta's sign reads "School strike for climate"

In 2018, a 15-year-old Swedish girl called Greta Thunberg started a protest. She refused to go to school unless politicians took urgent action on climate change.

Greta's protest has grown into a global movement led by young people who also want adults to take urgent action on climate change.

©

An MYP year 4 class has been inspired by Greta. They have decided to investigate what individuals in the local community could do to reduce the impacts of climate change.

The class has decided to collect information from local people to find out about:

- the actions they were already taking
- the actions they would be willing to take in the future.

This information will be used to help the class choose a service project they will focus on in MYP year 5.

The class produced the following action plan to gather primary data. You will be asked to evaluate this action plan.



**Statement of inquiry:**

Individual actions can lead to changes in communities.

**Research question:**

What actions are people in our local community taking to reduce greenhouse gas emissions?

**Method:**

1. We will go to the local government to ask what is being done already.
2. We will use a questionnaire at a local shopping centre. We will work in pairs and each collect 5 questionnaires (Total 50 people).



## Questionnaire

1. On a scale of 1 to 10, how concerned are you about climate change?

1 Not at all	2	3	4	5	6	7	8	9	10 Extremely concerned

2. Do you take any of these actions to reduce greenhouse gas emissions?

- Save energy
- Recycle
- Eat local foods
- Use public transport
- Don't eat meat

3. Which of these actions would you be willing to take to reduce greenhouse gas emissions?

- Save energy
- Recycle
- Eat local foods
- Use public transport
- Don't eat meat

2. Do you take any of these actions to reduce greenhouse gas emissions?

- Save energy
- Recycle
- Eat local foods
- Use public transport
- Don't eat meat

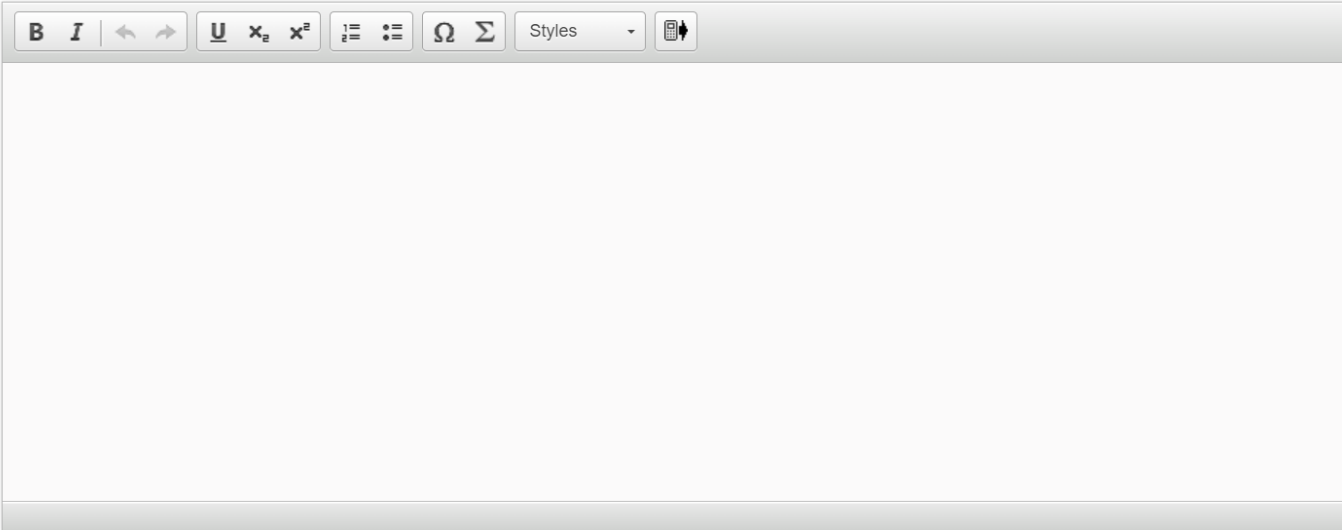
3. Which of these actions would you be willing to take to reduce greenhouse gas emissions?

- Save energy
- Recycle
- Eat local foods
- Use public transport
- Don't eat meat

4. Name one thing that prevents you from taking action to reduce greenhouse gas emissions.

**Thank you for your time!**

**Evaluate** the action plan.



A rich text editor toolbar with the following icons from left to right: Bold (B), Italic (I), Undo (left arrow), Redo (right arrow), Underline (U), Subscript (x<sub>2</sub>), Superscript (x<sup>2</sup>), Bulleted List (three horizontal lines with a dot), Numbered List (three horizontal lines with numbers), Link (Ω), Unlink (Σ), Styles (a dropdown menu labeled "Styles"), and a mobile view icon (a smartphone).



#### Question 4 (12 marks)



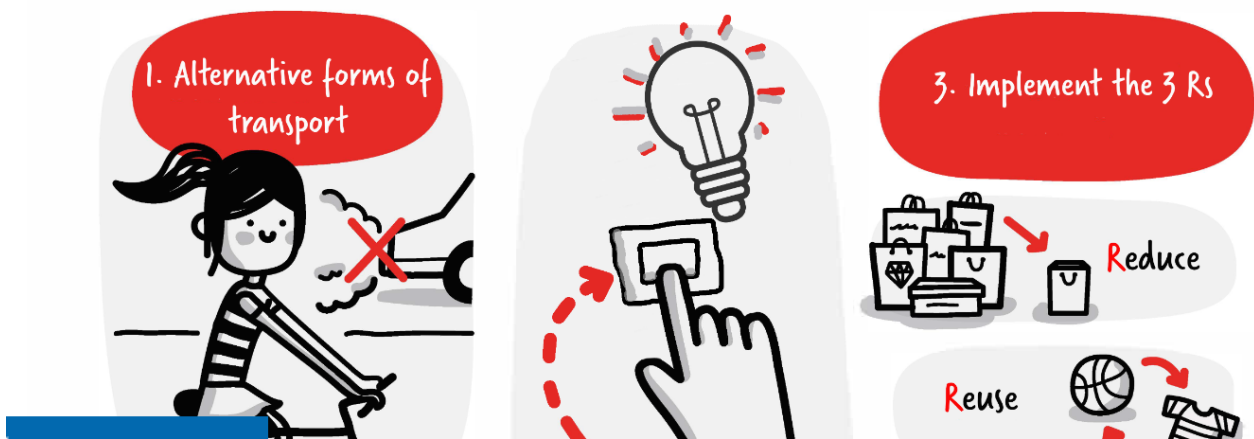
#### Question 4a (2 marks)

Following Greta's actions and the MYP class project, you will now design an investigation into your own local community. Your investigation must be based on **one** of the 6 possible actions shown in **Source C**.



Source C

# 6 actions preventing climate change



# 6 actions preventing climate change

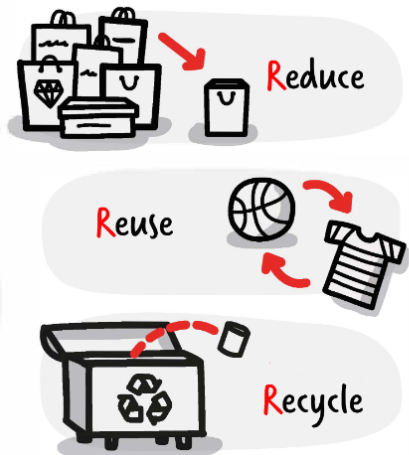
1. Alternative forms of transport

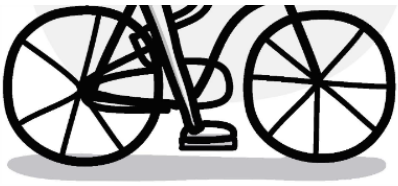


2. Save energy



3. Implement the 3 Rs





2. Save energy



4. Change in diet



6. Raise awareness



Sustainability for all [www.activesustainability.com](http://www.activesustainability.com)

©

Choose which action your investigation will focus on:

Using the statement of inquiry below and your chosen action, **formulate** a clear and focused research question for an investigation into your local community.

**Statement of inquiry:** Individual actions can lead to changes in the way communities respond to climate change.

**B** *I* | ← → |  x<sub>2</sub> x<sup>2</sup> | ☰ ☷ | Ω Σ | Styles ▾ | 📄

Choose which action your investigation will focus on:

Using the statement of inquiry below and your chosen research question for an investigation into your local

- Select
- Alternative forms of transport
- Save energy
- Implement the 3 Rs
- Change in diet
- Take action to save forests
- Raise awareness

**Statement of inquiry:** Individual actions can lead to climate change.

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**Question 4b** (4 marks)

**Justify** the relevance of your research question to the statement of inquiry.

**Statement of inquiry:** Individual actions can lead to changes in the way communities respond to climate change.

**B** *I* | ← → |  x<sub>2</sub> x<sup>2</sup> |  $\frac{1}{2}$   $\frac{3}{4}$  |  $\Omega$   $\Sigma$  | Styles ▾ |



Question 4c (1 mark)

Identify one secondary source of information that would be helpful for your investigation.

**B** *I* | ← → |  x<sub>2</sub> x<sup>2</sup> | ☰ ☷ | Ω Σ | Styles ▾ | 📄 ↕



**Question 4d** (3 marks)

**Explain one** benefit of including the secondary source you identified in part c) in your investigation.

**B** *I* | ← → |  x<sub>2</sub> x<sup>e</sup> | ☰ ☷ | Ω Σ | Styles ▾ | 📄 ↕



**Question 4e** (2 marks)

**Outline one** challenge that you might face when carrying out your investigation.

**B** **I** | ← → |  x<sub>e</sub> x<sup>2</sup> | ☰ ☱ | Ω Σ | Styles ▾ | 🗑️



**Question 5** (18 marks)

The video below shows the development of six urban settlements over the past 35 years. Watch the video to help you prepare to answer a question on the challenges of urban growth.

---

**Dubai, United Arab Emirates (UAE)**

In 2018, Dubai had the 12th-busiest airport in the world, welcoming over 15 million visitors attracted by the growing economy.

**Singapore**

Singapore is a global financial centre and has the second-largest port in the world. Although densely populated, it has the highest quality of life in Asia.

**Kampala, Uganda**

Kampala is one of the fastest-growing cities in Africa and its population is predicted to grow from 1.6 million in 2019 to 3.9 million by 2030 due to high birth rates and rural-urban migration.

**Dhaka, Bangladesh**

Dhaka is the fastest-growing mega-city in the world with rapid economic growth. It has an estimated 400 000 mostly poor migrants per year.

**San Jose, Costa Rica**

One third of Costa Rica's population lives in San Jose. Its growth plan is based on sustainable development.

**Las Vegas, USA**

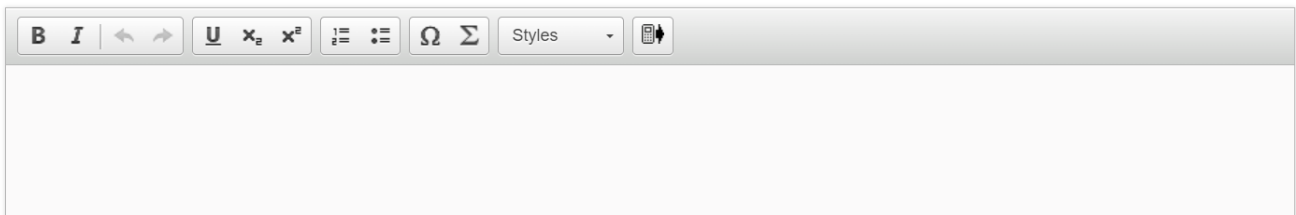
Las Vegas has grown to become known as the "Entertainment Capital of the World" with over 2 million inhabitants and over 42 million visitors in 2018.

You have been invited to be the guest speaker at this year's International Urban Design Conference. Your speech will focus on the challenges of urban growth for communities and the environment.

Write a persuasive speech to **explain at least one** possible solution to the challenges presented by urban growth.

In your speech, you should:

- include examples from your MYP studies
- refer to either communities **or** the environment.



A rich text editor toolbar with the following icons from left to right: Bold (B), Italic (I), Undo (left arrow), Redo (right arrow), Underline (U), Subscript (x<sub>2</sub>), Superscript (x<sup>2</sup>), Bulleted List (three horizontal lines with a dot), Numbered List (three horizontal lines with numbers), Link (Ω), Unlink (Σ), Styles (a dropdown menu labeled 'Styles'), and a mobile device icon.



**Question 6** (2 marks)

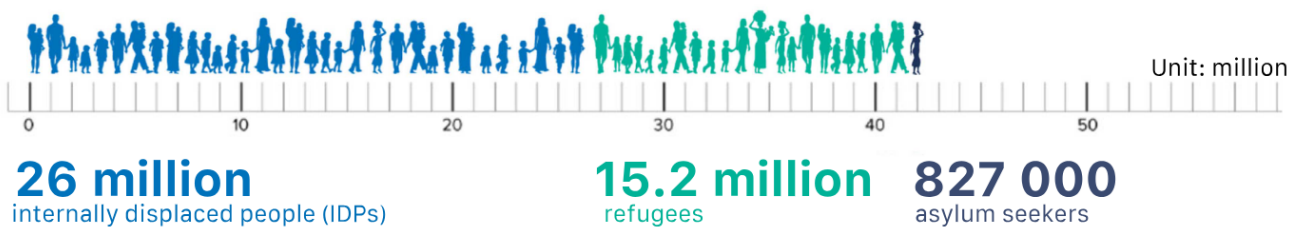
**Source D** was part of a newspaper article on forced migration. Look at the source and answer the questions that follow.

**Source D**

Number of forced migrants in 2008 and 2018

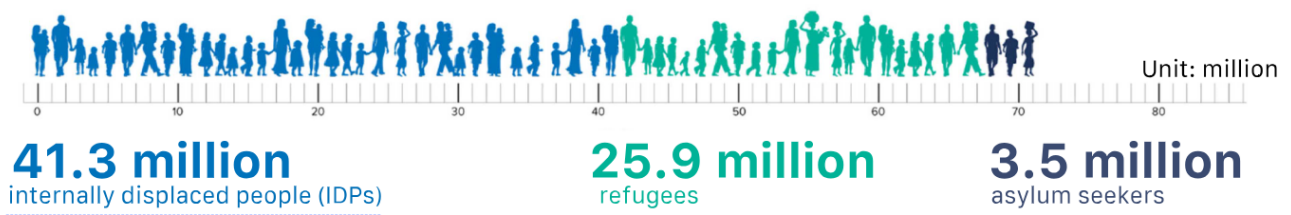
**2008**

**42 million** forcibly displaced people worldwide.



## 2018

**70.8 million** forcibly displaced people worldwide.



**41.3 million**  
internally displaced people (IDPs)

**25.9 million**  
refugees

**3.5 million**  
asylum seekers



Question 6a (1 mark)

**State** the increase in the number of refugees from 2008 to 2018.

**B** *I* | ← → | U  $x_2$   $x^2$  |  $\frac{1}{x}$   $\frac{1}{x^2}$  |  $\Omega$   $\Sigma$  | Styles ▾ |



**Question 6b** (1 mark)

**Select** the correct response from the drop-down list to complete the sentence.

The number of  is more than four times bigger in 2018 than it was in 2008.

- Select
- internally displaced people
- refugees
- asylum seekers





**Question 7** (4 marks)

**Source D** is repeated below to help you answer the questions that follow.



**Question 7a** (2 marks)

**Outline** the purpose of **Source D** in a newspaper article on forced migration.

**B** *I* | ← → |  x<sub>2</sub> x<sup>2</sup> | ☰ ☷ | Ω Σ | Styles ▾ | 📱



**Question 7b** (2 marks)

**Outline one** value of using **Source D** in a newspaper article on forced migration.

**B** *I* | ← → |  x<sub>2</sub> x<sup>e</sup> | :≡ :≡ | Ω Σ | Styles ▾ | 📄 ↕



**Question 8** (6 marks)



**Question 8a** (3 marks)

**Source E** is an infographic from an NGO called Migration Matters.

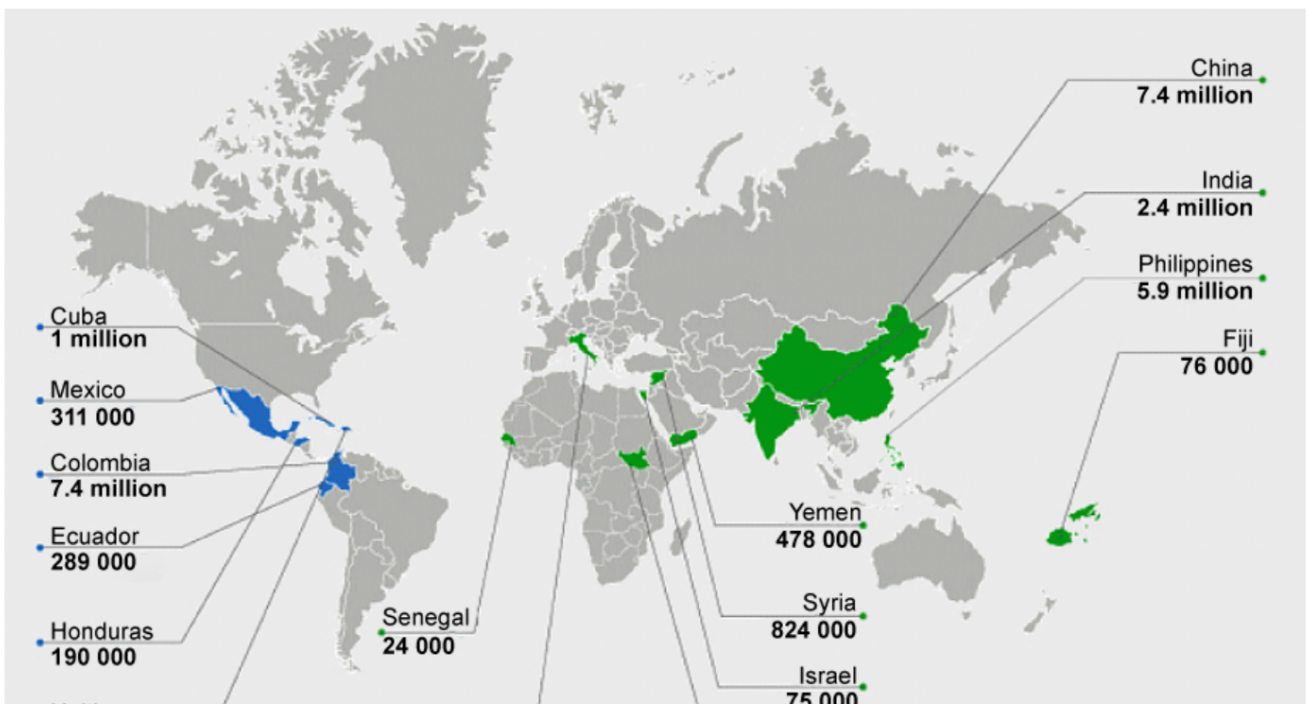
You will be asked to describe the limitations of **Source E** from the perspective of:

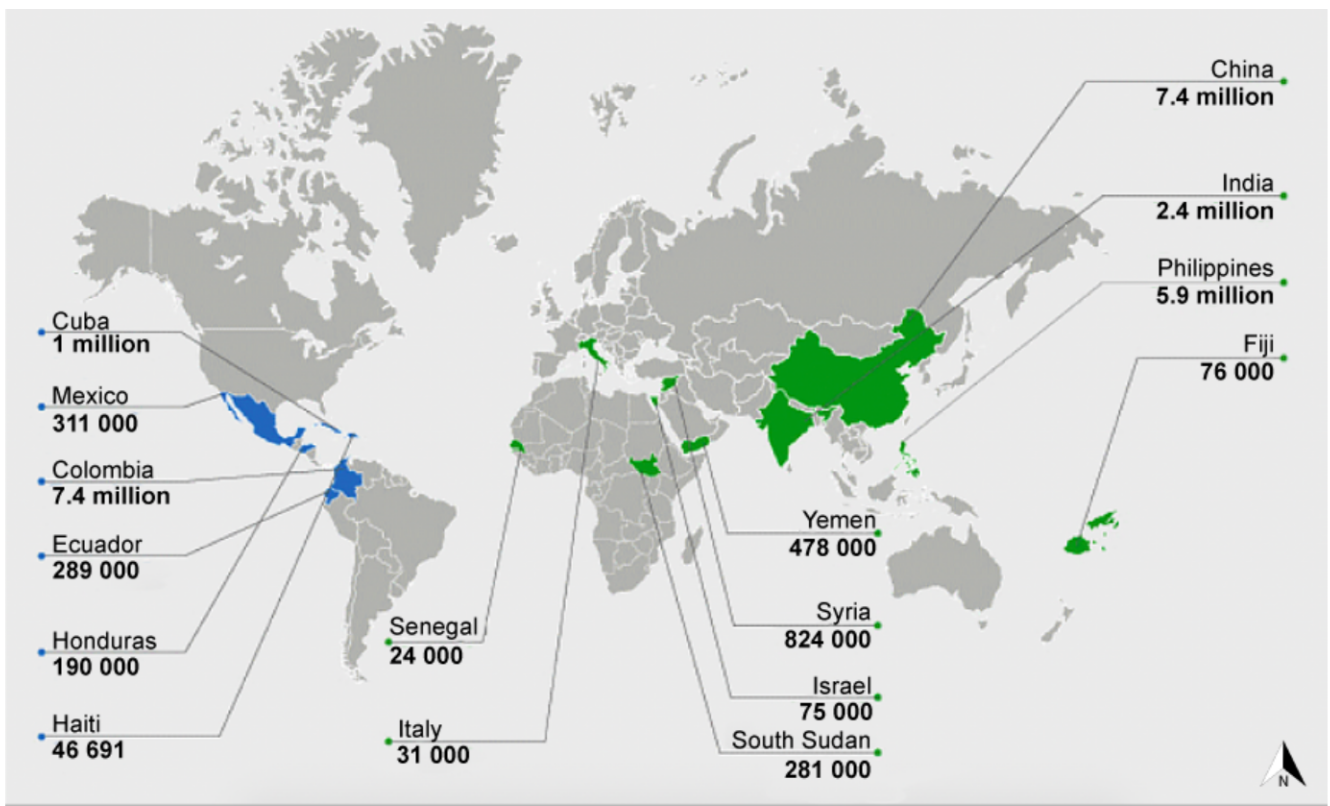
- an MYP year 3 student investigating the causes of forced migration
- an Indian government official writing a report on the impacts of internally displaced people in India.

Look at the source and answer the questions that follow.

### Source E

Infographic showing internally displaced people in 2016







**84%**



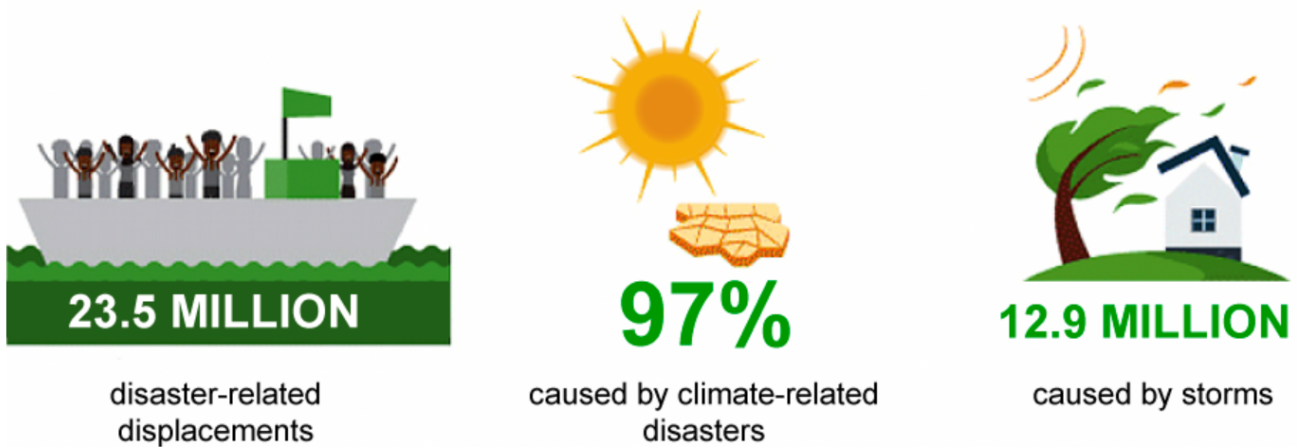
**55%**



## DISASTER-RELATED DISPLACEMENTS



## DISASTER-RELATED DISPLACEMENTS



(Global Report on Internal Displacement, 2016)

©

**Explain one** limitation of **Source E** from the perspective of an MYP year 3 student investigating the causes of forced migration.



**Question 8b** (3 marks)

**Explain one** limitation of **Source E** from the perspective of an Indian government official writing a report on the impacts of internally displaced people in India.

**B** *I* | ← → |  x<sub>2</sub> x<sup>2</sup> | ☰ ☷ | Ω Σ | Styles ▾ | 📱



**Question 9** (24 marks)

“Migration creates more benefits for societies than negative consequences.” **To what extent** do you agree with this statement?

In a well-structured essay, you must include:

- appropriate geographical terminology
- positive and negative consequences of migration
- examples from your MYP studies to support your arguments.

**B** *I* | ← → | U  $x_2$   $x^e$  | ☰ ☷ | Ω Σ | Styles ▾ | 📄 ↕