# 1.4 Earthquake Case Study in a Wealthier Country: L'Aquila, Italy: 10-minute Pack

AQA 8035 · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

**Answer ALL questions. Show all your working.**

**1** State the date and magnitude of the L'Aquila earthquake, Italy, which is the focus of this case study.

**(Total for Question 1 is 1 mark)**

**2** Give the name of the region and country where the L'Aquila earthquake occurred.

**(Total for Question 2 is 1 mark)**

**3** Explain briefly what is meant by a primary effect and give ONE primary effect of the L'Aquila earthquake, citing the case details.

**(Total for Question 3 is 2 marks)**

**4** Identify TWO immediate (short-term) responses used after the L'Aquila earthquake to help survivors.

**(Total for Question 4 is 2 marks)**


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**5** Explain briefly what is meant by a secondary effect and give ONE secondary effect that occurred after the L'Aquila earthquake.

**(Total for Question 5 is 2 marks)**

**6** A regional population affected by the earthquake is estimated at 300,000 people. Approximately 65,000 people were displaced into temporary housing after the L'Aquila earthquake. Calculate the percentage of the regional population displaced. Give your answer to one decimal place.

**(Total for Question 6 is 2 marks)**


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# Mark scheme · 1.4 Earthquake Case Study in a Wealthier Country: L'Aquila, Italy: 10-minute Pack

## Question 1

6 April 2009 and magnitude 6.3 **B1**

**Answer: 6 April 2009; magnitude 6.3.**

## Question 2

Abruzzo region, Italy **B1**

**Answer: Abruzzo region, Italy.**

## Question 3

definition: an immediate effect caused directly by the earthquake event, oe **B1**

example: e.g. 309 people killed or many buildings collapsed in L'Aquila, oe **B1**

**Answer: A primary effect is an immediate result caused directly by the earthquake, for example 309 people were killed and many buildings collapsed in L'Aquila.**

## Question 4

search and rescue operations, oe **B1**

provision of emergency shelter and temporary camps, oe **B1**

**Answer: Search and rescue operations and provision of emergency shelter/temporary camps.**

## Question 5

definition: an effect that occurs later as a consequence of the initial earthquake, oe **B1**

example: e.g. around 65,000 people displaced or long-term economic losses for local businesses, oe **B1**

**Answer: A secondary effect happens later as a consequence of the earthquake, for example about 65,000 people were displaced into temporary housing and local businesses suffered long-term economic losses.**

## Question 6

65000 / 300000 x 100 seen, oe **M1**

21.7% cao **A1**

**Answer: 21.7%.**


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