

**Modified Enlarged 18pt**

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS**

**Tuesday 5 November 2019 – Morning**

**GCSE (9–1) Mathematics**

**J560/01 Paper 1 (Foundation Tier)**

**Time allowed: 1 hour 30 minutes  
plus your additional time allowance**

**Insert for Question 19**

**Answer questions 19(a) and 19(c)(i) on this insert**

**Please write clearly in black ink.**

**Centre number**

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**Candidate number**

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**First name(s)** \_\_\_\_\_

**Last name** \_\_\_\_\_

**READ INSTRUCTIONS OVERLEAF**



## **INSTRUCTIONS**

**Use black ink. You may use an HB pencil for graphs and diagrams.**

**Answer ALL the questions.**

**Read each question carefully before you start to write your answer.**

**Where appropriate, your answers should be supported with working. Marks may be given for a correct method even if the answer is incorrect.**

**Write your answer to each question in the space provided.**

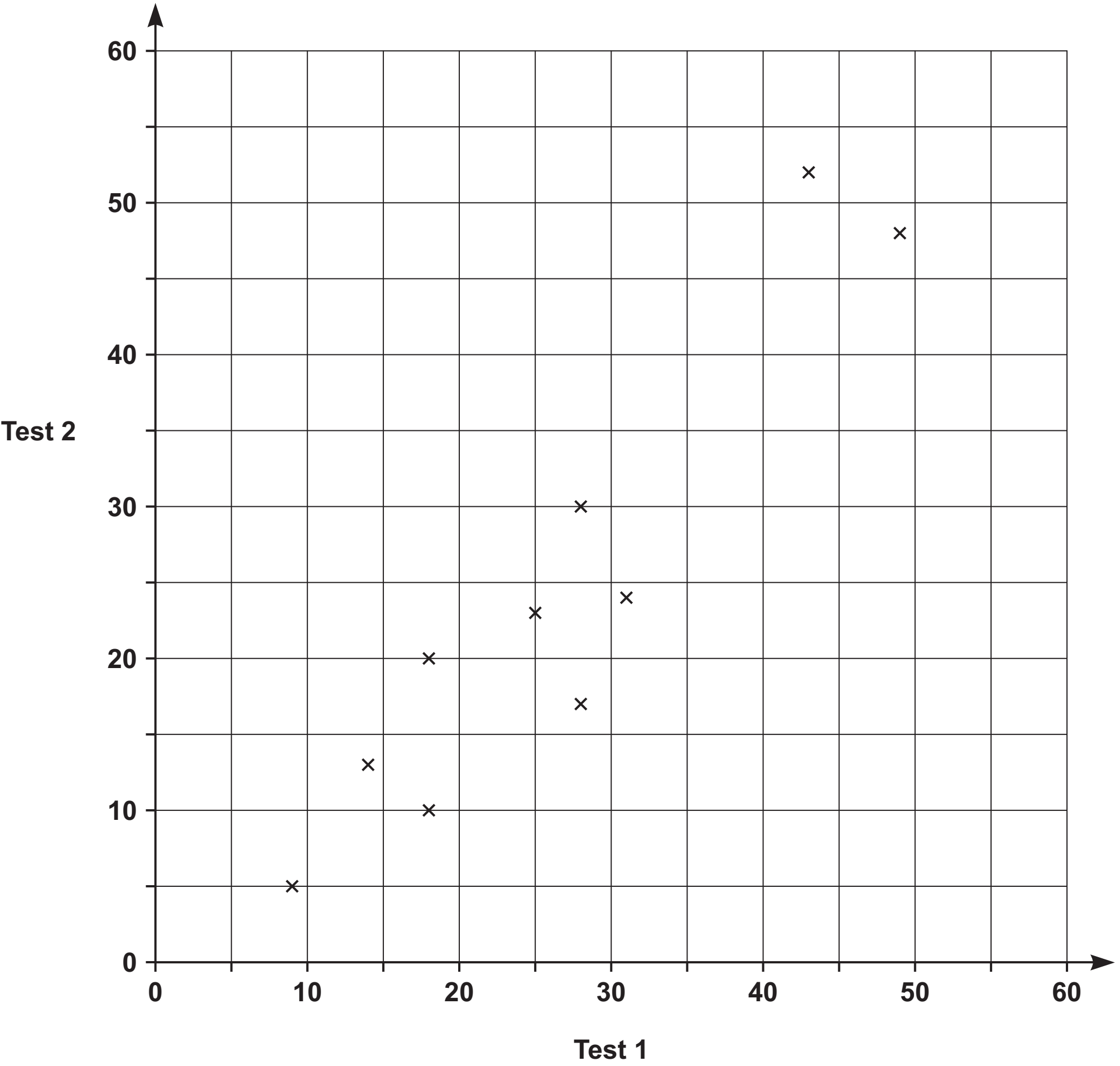
**Additional paper may be used if required, but you must clearly show your candidate number and question number(s).**

## **INFORMATION**

**The total mark for this paper is 100.**

**The marks for each question are shown in brackets [ ].**

**Use the  $\pi$  button on your calculator or take  $\pi$  to be 3.142 unless the question says otherwise.**



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