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# Mathematics

## Paper 1 (Non-Calculator)

**Higher Tier**

Thursday 24 May 2018 – Morning

**Time: 1 hour 30 minutes**

Paper Reference

**1MA1/1H**

**You must have:** Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser. Tracing paper may be used.

Total Marks

### Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – there may be more space than you need.
- You must **show all your working**.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- **Calculators may not be used.**



### Information

- The total mark for this paper is 80.
- The marks for **each** question are shown in brackets – use this as a guide as to how much time to spend on each question.

### Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ➞

P48861A

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# Maths Test Papers Gcse Edexcel

**Tobias Bleicker**



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describe how it feels station 4 straighten the chicken wing and hold it horizontally above the tray have your partner pull on each of the muscles and note the movement that each muscle causes turn the wing upside down and bend the joints pull on each muscle and note how the bones move 5a explain how pulling on muscles causes motion 5b

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the lab report will contain the sketch below labeled as instructed a completed version of the chicken wing dissection table answers to discussion questions a k and analysis questions 1 7 in complete sentences a thoroughly completed concluding paragraph joint b joint c joint a figure 1 draw a sketch and label before dissection make a

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chicken wing dissection how do the muscles bones and tendons work together to move a joint of a chicken wing and how do they compare to a human arm although many differences exist between the anatomy of humans and chickens one structure that shows similarities in muscle pairing and range of motion is a bird s wing

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conclusion 2 points 22 based upon your observations in this activity explain either how the chicken wing or the human arm moves using all the following terms in your answer brain muscles tendons bones joints you use the ball and socket joint the biceps will contract while the triceps extends the biceps will extends while the triceps

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