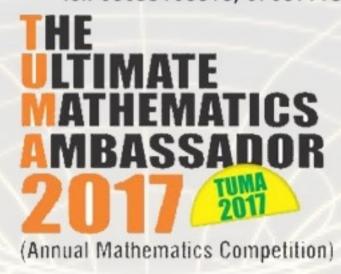


THE AMBASSADORS SCHOOLS, OTA

E-mail: info@theambassadorsschools.com Tel: 08055103318, 07089995042



STAGE 2 - ROUND 1

7ME ALLOWED: 40 minutes

INSTRUCTIONS

- 1. This Round consists of 4 theory questions.
- 2. This Round is worth 40 marks.
- 3. Each question is worth 10 marks.
- Please ensure that you show all necessary workings before arriving at your final answer.
- 5. Orderliness, neatness and clarity is encouraged.

THE ULTIMATE MATHEMATICS AMBASSADOR

INSTRUCTION: Answer all questions in this section. Show all your workings in this section clearly, neatly and orderly.

A woman borrowed ¥150.00 for a six-month period and paid ¥175.00 back after this period. At this same rate, find the interest on ¥200.00 borrowed for two years.

(10 marks)

2. James selects a number. He divides it by 4, then multiplies by 6 and finally adds 7 to the results. That way he comes up with the largest two-digit prime number. Which number did he select?

(10 marks)

- 3. The sides of a triangle are in the ratio 5:8:5. If the perimeter of the triangle is 54cm, find the
 - (a) longest side of the triangle
 - (b) height of the triangle
 - (c) area of the triangle

(10 marks)

- 4. The median of 3, 4, 2, x, 1 and 8 is x.
 - (a) Find x
 - (b) Hence find the mean and mode of the scores

(10 marks)

