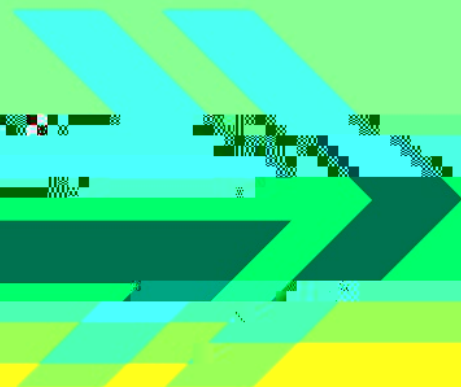
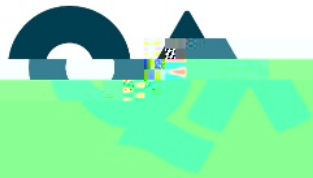


QA Maths

Sample Test

with answers





QA Higher Education Diagnostic Maths Test

Date Test Sat _____

Applicant Name _____

A-Number _____

QAHE Invigilator _____

Location _____

Results (Pass/Fail) _____

Instructions

This test consists of 15 multiple choice questions.

Please answer all of the questions.

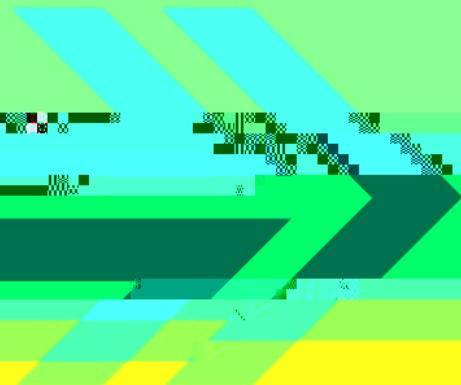
You are permitted to use a calculator during the test.

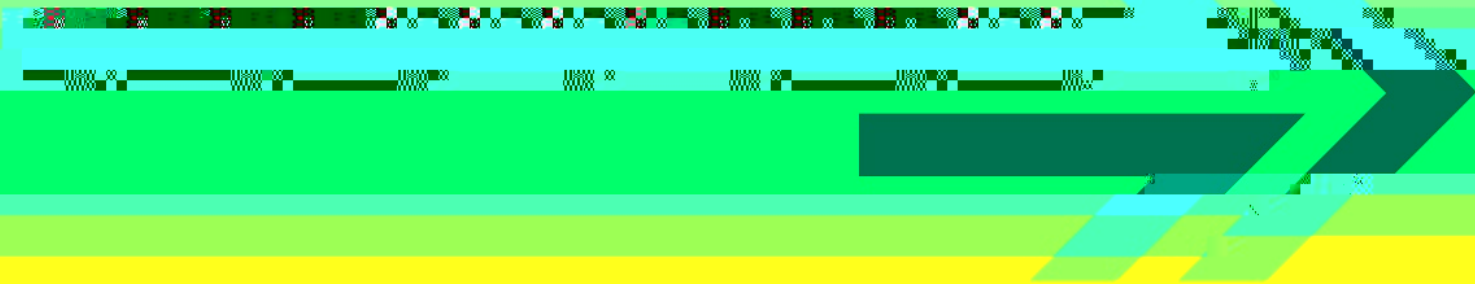
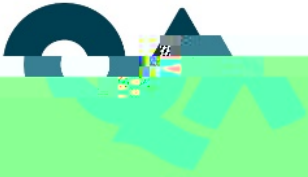
Mobile phones and other electronic devices must not be used during the test.

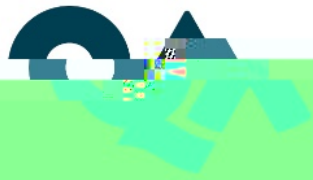
You are allowed up to 30 minutes to complete the test.

Each question is worth two marks.

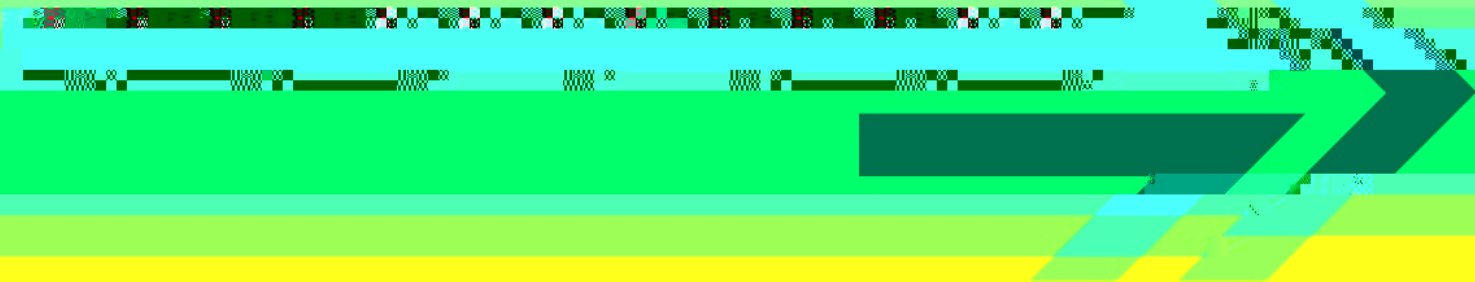
Marks are not

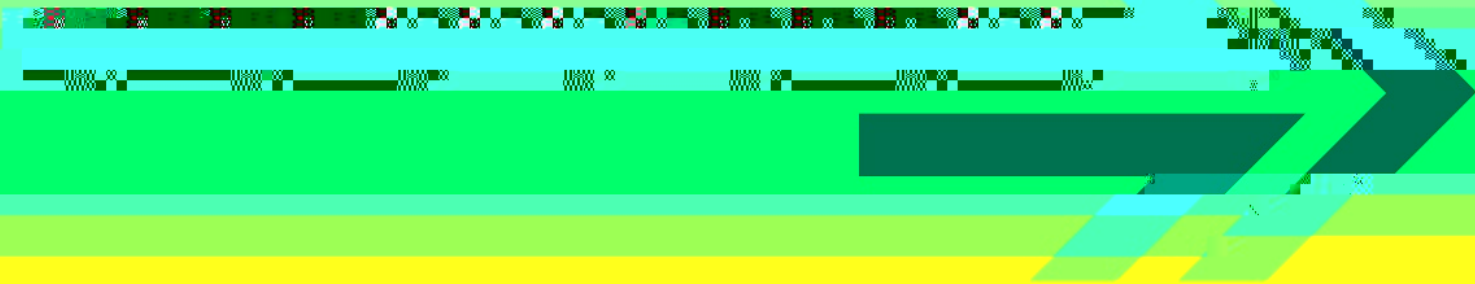
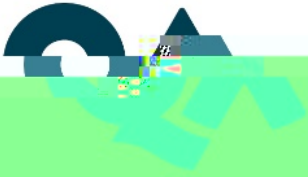


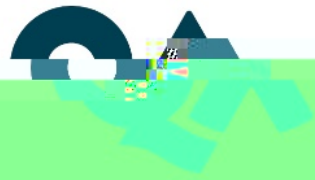




2. What is the range of calculators

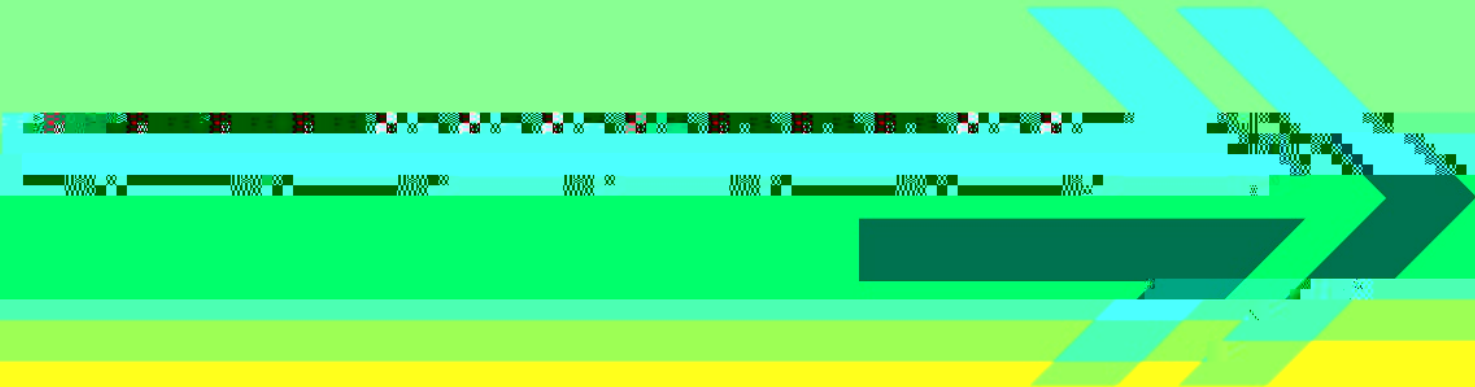


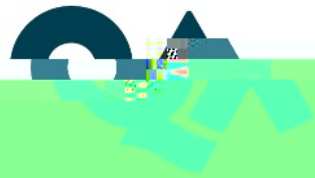




7. Brian always has pizza for dinner on a Thursday. He always leaves a slice to take to work for his lunch on Friday.

Brian eats $\frac{7}{8}$ of the pizza and leaves $\frac{1}{8}$ for lunch. What % of the pizza did Brian eat?



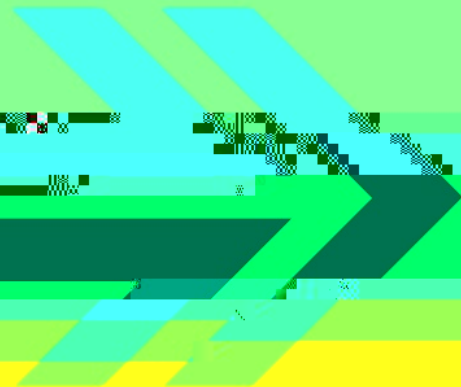


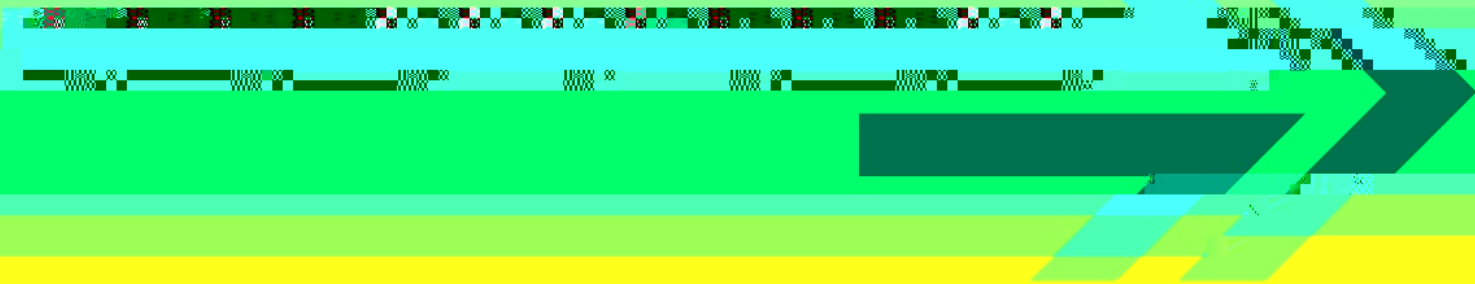
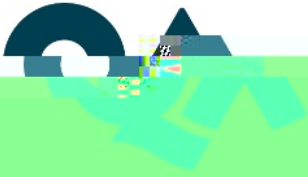
8. Brian takes his wife and two children to the cinema. Look at the following price list:

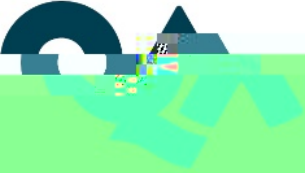
Adult ticket	£9
Child ticket	£4.50
Family ticket (two adults and two children)	£25
Drinks	£3
Popcorn	£5
Ice-cream	£4

Brian buys the cheapest option for the tickets, four drinks, one popcorn and one ice-cream. What was the total cost of the trip?

- A. £40
- B. £37
- C. £46
- D. £39



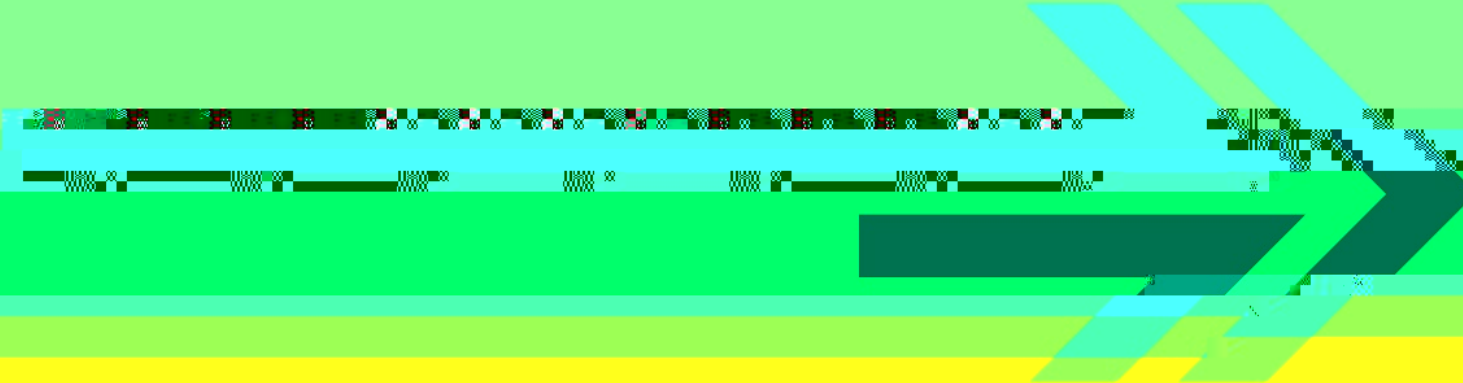


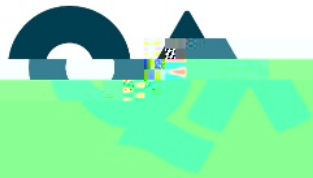


11. If the total cost of production for Formulaic Limited in February was £34,000, how many units were made?

- A. 3,476 units
- B. 3,238 units
- C. 3,000 units
- D. 3,500 units

12. The exchange rate is currently \$1 to £0.65. If you had £600, how many \$ would you get if you exchanged your money (to the nearest \$)?

- A. \$390
 - B. \$923
 - C. \$657
 - D. \$405
- 



13. If $y = 27x + 405$, what does x equal?

A. $x = (y - 27)/405$

B. $x = (y - 405)/27$

C. $x = y - 432$

D. $x = y/27 - 405$

14. One rectangle has sides of 2cm and 5cm. A second rectangle has sides of 4cm and 10cm. Express the areas of the two rectangles as a ratio:

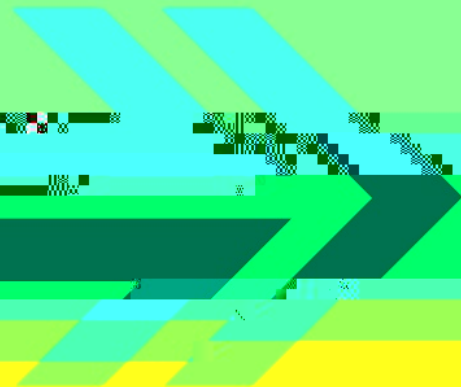
A. 14

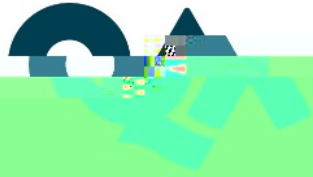
B. 1:2

C. 1:5

D. 1:3

15. Solve the expression





ANSWERS

1. D

2. D

3. B

4. A

5. B

6. B

7. B

8. C

9. B

10. D

11. C

12. B

13. B

14. A

15. A

