GCSE
NON-CALCULATOR
DIAGNOSTIC ASSESSMENT

Name……………………………………………………….

Course……………………………………………………….

Score: /20

Question	1	2	3	4	5	6	7	8	9	10	11	12	Total
Mark(s) Available	1	1	1	1	3	2	3	1	1	3	1	2	
Mark achieved													

1. Work out   (–3) + (–8) Circle your answer.

   –5   5   –11   11

   [1 mark]

2. What does the longest bar in a bar chart represent? Circle your answer.

   mean   median   mode   range

   [1 mark]

3. Work out   1.1 – 0.15 Circle your answer.

   0.95   1.05   0.85   1.085

   [1 mark]

4. On a circle, which of these is always longer than the diameter? Circle your answer.

   Chord   arc   radius   circumference

   [1 mark]

5. Work out 83×26

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   [3 marks]

6. The cost of 3 calendars is £18. Work out the cost of 5 calendars.

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[2 marks]

7. Work out the fraction that is halfway between **½** and **1 ¼**

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 0             1             2
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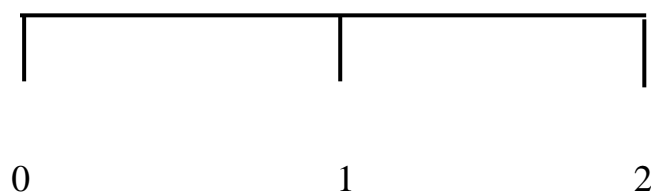
[3 marks]

8. Work out $4 + 3 \times 5 - 1$

Circle your answer.

        16   18   28   34

[1 mark]

9. The nth term of a sequence is   5n – 2

Work out the 3rd term.

Circle your answer.

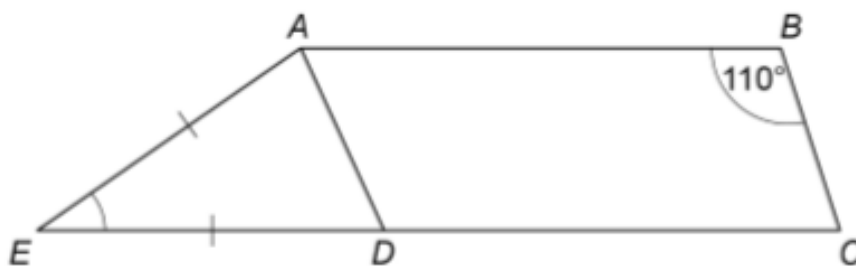51   5   123   13

[1 mark]

10. Trapezium ABCE is made from parallelogram ABCD and isosceles
    triangle ADE. AE = DE

Not drawn
accurately

Work out the size of angle AED.

Answer …………………………………………….degrees

[3 marks]

11. Laura wants to work out   3% of 1700

Her method is 1700×0.3

Is her method correct? Circle your answer.

Yes   No

Give a reason for your answer.

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…………………………………………………………………………………………

[1 mark]

12. Solve $3x - 8 = 19$

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…………………………………………………………………………………………

x =   …………………………………………..

[2 marks]

Well done, you have completed the assessment. If you have time left go back and check your answers or have a go at any you have left.