



GCSE Mathematics

tinyurl.com/TMSRev1B



Unit 1: Calculator Allowed

Intermediate Tier

County Revision Paper 1B (Topics Relating to **Number**)

55 Minutes

School: _____

Student Name: _____

Question	Maximum Mark	Mark Awarded
1	9	
2	4	
3	6	
4	2	
5	3	
6	2	
7	2	
8	4	
9	4	
10	4	

1. (a) Calculate 72% of \$563

[2]

.....
.....
.....

(b) Calculate $\frac{5}{8}$ of 150

Give your answer correct to the nearest whole number.

[2]

.....
.....
.....

(c) How many fifths are there in 8?

[1]

.....
.....
.....

(d) What percentage is equal to a half of $\frac{1}{2}$?

[1]

.....
.....
.....

(e) Complete the following table.

The fraction must be expressed in its simplest form.

[3]

Fraction	Decimal	Is this a recurring or terminating decimal?
$\frac{2}{3}$	0. $\dot{6}$	recurring
.....	0.15
$\frac{7}{11}$

.....
.....
.....

2. Using only the numbers in the following list,

57 58 59 60 61 62 63 64 65

write down

(a) a prime number, [1]

.....

(b) a cube number, [1]

.....

(c) a factor of 186, [1]

.....

(d) a multiple of 7.25. [1]

.....

3. (a) Evaluate 56% of $800 + \frac{5}{12}$ of 288 [3]

.....
.....
.....

(b) Calculate $\sqrt{14.2} - 1.3^2$

Give your answer to 2 decimal places [3]

.....
.....
.....

4. Calculate the answer when

the largest prime number that is a factor of 18

is multiplied by

the smallest prime number that is a factor of 21 [2]

.....
.....
.....

9. (a) Calculate $\frac{\sqrt{146.3-4.6^3}}{(12.5-10.32)^2}$, correct to 3 significant figures [2]

.....

.....

.....

(b) Calculate the reciprocal of 0.54, correct to 1 decimal place. [2]

.....

.....

.....

10. (a) Find the highest common factor of 90 and 105 [2]

.....

.....

.....

(b) Find the lowest common multiple of 90 and 105 [2]

.....

.....

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