

MATHEMATICS MAIN PAPER FOR 2016 ENTRY TEST 2 – ANSWERS

1 mark for each correct answer. Total 60 marks.

		ANSWER			ANSWER										
1a	$\begin{array}{r} 70200 \\ 7020 \\ 702 \\ \hline 70.2 \\ 7.02 \\ \hline 0.702 \end{array}$		2a	$\begin{array}{r} 1 \quad 3 \quad 9 \quad + \\ 5 \quad \boxed{1} \quad 7 \\ \hline 6 \quad 5 \quad \boxed{6} \end{array}$	3a	<table border="1"> <tr><td>5</td><td>4</td><td>9</td></tr> <tr><td>10</td><td>6</td><td>2</td></tr> <tr><td>3</td><td>8</td><td>7</td></tr> </table>	5	4	9	10	6	2	3	8	7
5	4	9													
10	6	2													
3	8	7													
1b	$\begin{array}{r} 0.032 \\ 0.64 \\ 12.8 \\ \hline 256 \end{array}$		2b	$\begin{array}{r} 3 \quad 3 \quad 5 \quad - \\ 1 \quad \boxed{5} \quad 8 \\ \hline \boxed{1} \quad 7 \quad \boxed{7} \end{array}$	3b	<table border="1"> <tr><td>5</td><td></td><td>7</td></tr> <tr><td>10</td><td>8</td><td></td></tr> <tr><td></td><td>4</td><td>11</td></tr> </table>	5		7	10	8			4	11
5		7													
10	8														
	4	11													
1c	$\begin{array}{r} 1 \\ \hline \frac{3}{4} \\ \frac{1}{2} \\ \frac{1}{4} \\ \hline 0 \\ \hline -\frac{1}{4} \end{array}$		2c	$\begin{array}{r} 1 \quad \boxed{3} \quad 8 \quad \times \\ \phantom{1 \quad \boxed{3} \quad 8} \quad 7 \\ \hline \hline \boxed{9} \quad 6 \quad 6 \end{array}$	4a	121									
1d	$\begin{array}{r} \frac{2}{3} \\ \hline \frac{5}{6} \\ \hline 1 \\ \hline 1\frac{1}{6} \end{array}$		2d	$\boxed{5} \quad \boxed{1}$	4b	169									
1e	$\begin{array}{r} 18 \\ 6 \\ 2 \\ \hline \frac{2}{3} \\ \hline \frac{2}{9} \end{array}$				4c	4									

ANSWER	
5a	90°
5b	150°
5c	270°
6a	£15.50
6b	£6.20
6c	£6.82
6d	20%

ANSWER	
7a	90
7b3.....m
7c8.4.....m
7d3.6.....m ²

ANSWER	
8a	£7
8b	£3.60
8c	£39.60
8d	£3.40

	ANSWER
9a	£9.57
9b	£4.56
9c	<p>£.....3.65.....</p> <p><i>and</i></p> <p>£.....2.59.....</p> <p><i>and</i></p> <p>£.....1.49.....</p>

	ANSWER
10a 120km
10b 180km
10c 15 minutes
10d 30 minutes
10e 2 hours 5 minutes

	ANSWER
11a	7m
11b	0700 or 7a.m. or 7 o'clock
11c	9

	ANSWER
12a	12
12b	30cm
12c	6

	ANSWER
13a	False
13b	True
13c	True