

Functional Skills  
**Mathematics at Entry 3**

Practice Paper

**Set 9**

Mark scheme

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## **General guidance on the use of the mark scheme**

1. Where the answer is a number, accept:
  - figures
  - words in any understandable spelling.
2. Where the mark scheme states 'indicates', accept any clear indication, for example:
  - tick
  - underline
  - highlighting
  - cross
  - circling
3. If the answer is clearly given, accept even if it is not in the answer box.
4. If the answer is in words, accept any understandable spelling.
5. Units can be ignored unless required explicitly by the mark scheme.
6. Where a mark is available for correct money format, accept correct use of the appropriate symbol with decimal notation e.g. £28.50. Do not accept £28.5 or £28.50p or 28.50£.
7. Comparing measures of length/weight/capacity at E3 (3.15/3.16/3.17): Evidence of conversion must be provided in working or in a final answer.
8. Information in brackets is optional and it is not required to award marks.
9. Mark crossed-out work if it is legible and has not been replaced.
10. Where more than one response is indicated, award a mark only if all incorrect responses are crossed out.
11. 'Valid process' means any method that is complete and correct.
12. Content reference e.g. 'E3.1' shows 'level.content statement number'
13. Where the mark scheme states '1 or' and '2' marks, see example below.

	Valid working, e.g. 350 + 150	1 or	
	(£)500	2	

Candidate answer examples	Mark awarded	Explanation
500	2	No process shown, correct answer
$350 + 150 = 500$	2	Valid process and correct answer
$350 + 100 = 500$	2	Process not valid, correct answer
$150 + 350$	1	Valid process, no answer
$350 + 150 = 600$	1	Valid process, wrong answer
$350 + 100 = 450$	0	Process not valid, wrong answer

### Mark scheme, Section A – Non-calculator


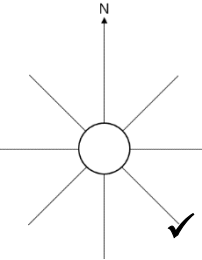
Question	Answer	Mark(s)	Content
1	Valid process to find the number of people on the family run e.g. $764 - 481$	1 or	E3.2
	283	2	E3.2
2	Valid process to compare distances e.g. $1000 - 380$ OR $1000 - 520$ OR $380 + 520$ AND 1000 (m)	1 or	E3.15
	No AND 620 (m) OR No AND 480 (m) OR No AND 900 (m) AND 1000 (m) OR No AND 100 (m difference)  Accept equivalents in km. Working must be shown in consistent units.	2	E3.15
3	Valid process to find the number of cups at each water point e.g. $600 \div 7$	1 or	E3.3
	85 (cups at each water point) OR 5 (cups left over)	2 or	E3.3
	85 (cups at each water point) AND 5 (cups left over) Accept only if 85 is clearly the number of cups at each water point and 5 is the remainder e.g. 85 r 5	3	E3.3
4	Valid process to add 325 to 59 e.g. $325 + 59$	1 or	E3.2
	(£)384	2	E3.2

Total marks for Section A: 9
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## Mark scheme, Section B – Calculator

Question	Answer	Mark(s)	Content
1	1:50 OR 1.50 OR one fifty OR ten to two OR ten to 2	1 or	E3.12
	1:50 pm OR 1.50 pm OR one fifty pm OR ten to two pm OR ten to 2 pm OR 13:50 OR 13.50	2	E3.12
2	Indicates 16(May) and no other Do not accept (£)73 indicated without the date	1	E3.21
3	Indicates (Room) 112 and no other	1	E3.1
4	Valid process to find the total e.g. $14.8(0) \times 2$	1 or	E3.10
	$(£)29.6(0)$	2	E3.10
	Correct £ symbol and money notation used i.e. two decimal places and not £29.60p Award this mark for correct £ symbol and money notation shown on an incorrect value	1	E3.10
5a	$(£)15$ Accept $(£)15.00$ but not $(£)15.0$	1	E3.11
5b	Correct answer for the check, i.e. $(15 \times 2 =) (£)30$ OR $(29.6(0) - 15 =) (£)14.6(0)$  Accept a valid check based on 14.80 rounded down to 14 with working shown i.e. $14 \times 2 = (£)28$  Accept correct rounding of both 14.80 and their answer to Question 4 with working shown e.g. $30 \div 15 = 2$  Accept a valid check using 15 but based on an incorrect calculation in Question 4 with working shown e.g. $15 \div 2 = (£)7.5(0)$	1	E3.5
6	Indicates 0.3 (litres) and no other	1	E3.8

Question	Answer	Mark(s)	Content
7	600 (ml) OR Valid process to find the amount of water needed using an incorrect amount from the scale e.g. $1000 - 300$	1 or	E3.17
	Valid process to find the amount of water needed e.g. $1000 - 600$ (ml)	2 or	E3.17
	400 (ml) Accept equivalents in litres. Working must be shown in consistent units.	3	E3.17
8	Correct values from graph i.e. 46 (people) AND 84 (people) OR Valid process to make a comparison using 1 correct value from the graph e.g. $84 - 43$ OR $82 - 46$ OR Indicates 19 (divisions) AND 2 (people per division)	1 or	E3.22
	Valid process to make a comparison e.g. $84 - 46$ OR $19 \times 2$	2 or	E3.22
	38 (people)	3	E3.22
9	40	1	E3.6
10	No AND 24 (rooms) OR No AND 480 (rooms) OR No AND $\frac{1}{5}$ (of the rooms) Accept No AND 20% Accept No AND 240 (rooms difference) only with correct working shown i.e. $480 - 240$	1	E3.7
11	140 (customers)	1	E3.21
12	Valid process to find the total number of chairs e.g. $16 \times 18$	1 or	E3.4
	288 (chairs)	2	E3.4

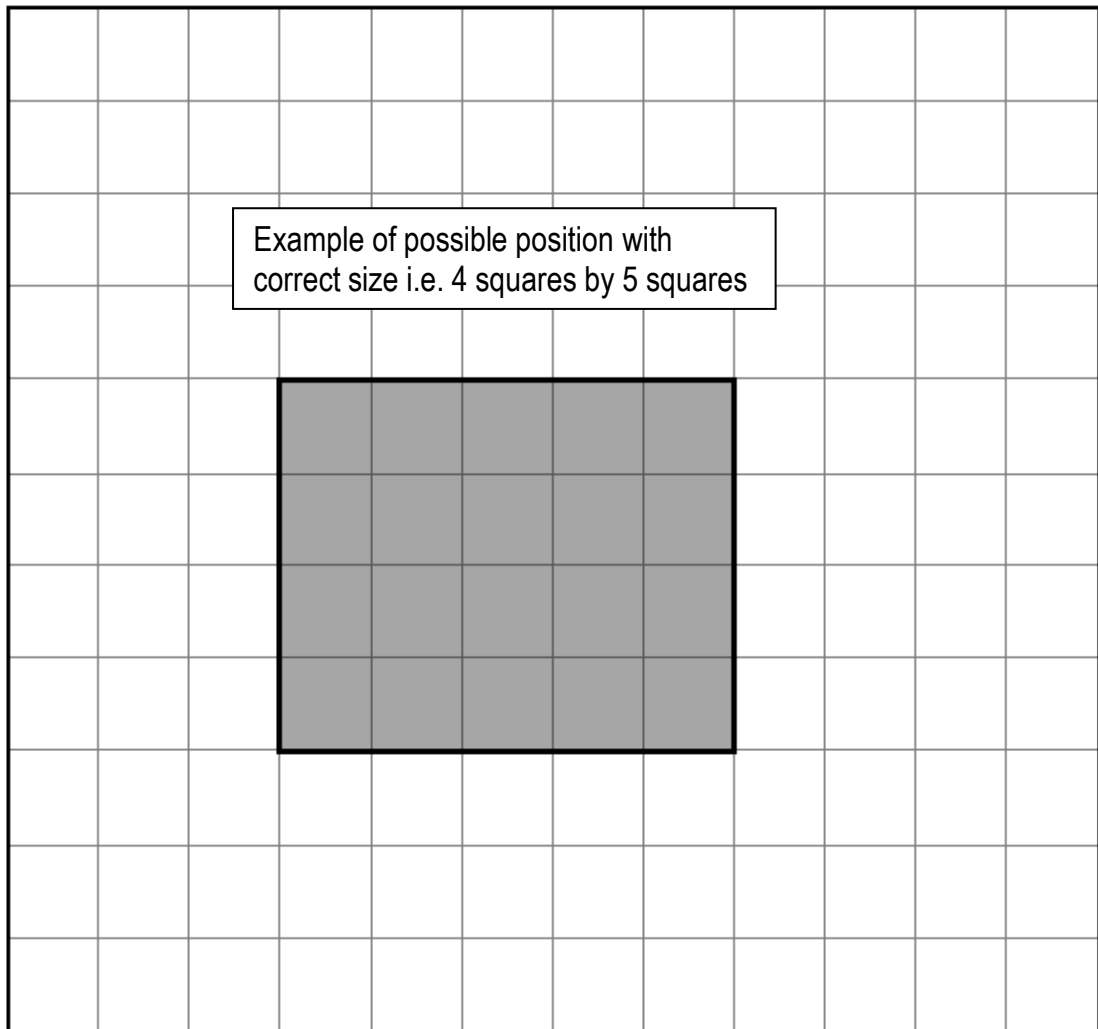
Question	Answer	Mark(s)	Content
13	<p>Draws a rectangle with one correct dimension e.g. 4 squares OR 5 squares OR Identifies both correct dimensions i.e. 4 (squares) AND 5 (squares)</p> <p>Draws a rectangle of correct length and width i.e. 4 squares AND 5 squares</p> <p>Accept a correct rectangle in any orientation and any position on the grid See example answer at the end of the mark scheme</p>	1 or  2	E3.23  E3.23
14	<p>Indicates trapezium and no other i.e.</p> 	1	E3.19
15	<p>No AND 12(°C more) No AND 35(°C if 7°C were correct) No AND 5(°C difference)</p>	1	E3.14
16	<p>Indicates south east and no other i.e.</p> 	1	E3.20
17	8	1	E3.21

Total marks for Section B: 27
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<b>Total marks for assessment: 36</b>
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<b>Pass mark: 24</b>
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Diagram of meeting room floor



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