

Reformed Functional Skills
Mathematics at Entry 3

Valid from September 2020 to August 2021

***** Past Paper Set 5*****

Mark scheme

Functional Skills qualifications from Pearson

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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
 - cross
 - underline
 - circling
 - highlighting.
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. Information in brackets is optional and it is not required to award marks.
8. Mark crossed-out work if it is legible and has not been replaced.
9. Where more than one response is indicated, award a mark only if all incorrect responses are crossed out.
10. 'Valid process' means any method that is complete and correct.
11. 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 total e.g. 66×12	1 or	E3.4
	(£)792	2	E3.4
2	Valid process to add 498 to 233 e.g. $498 + 233$	1 or	E3.2
	731 (miles)	2	E3.2
3	Valid process to find difference in lengths e.g. $600 - 435$	1 or	E3.15
	165 (cm) Accept equivalents in m	2	E3.15
4	Valid process to work out number of boxes e.g. $200 \div 30$ OR $30 + 30 + 30 + 30 + 30 + 30$ OR $30 + 30 + 30 + 30 + 30 + 30 + 30$ AND 10 seen	1 or	E3.3
	6 (boxes)	2	E3.3
	20 (cm left over)	1	E3.3

Total marks for Section A: 9

Mark scheme, Section B – Calculator

Question	Answer	Mark(s)	Content												
1	2.2 (litres)	1	E3.9												
2	Indicates 6.45 pm and no other	1	E3.12												
3	Indicates 4.28 (m) and no other	1	E3.8												
4	<p>Designs a table structure with suitable column headings e.g. 'name' and 'job' and 'time' and correct values e.g.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>n(ame)</th> <th>j(ob)</th> <th>s(tart) t(ime)</th> </tr> </thead> <tbody> <tr> <td>A(li)</td> <td>t(yres)</td> <td>08:45</td> </tr> <tr> <td>B(ill)</td> <td>s(ervice)</td> <td>13:15</td> </tr> <tr> <td>C(assie)</td> <td>M (OT)</td> <td>10:30</td> </tr> </tbody> </table> <p>Data headings may be shown in a row or a column Each data row/column must include correct values but may appear in any order as long as they correspond to the correct data headings Accept table without borders Accept any common time format</p>	n(ame)	j(ob)	s(tart) t(ime)	A(li)	t(yres)	08:45	B(ill)	s(ervice)	13:15	C(assie)	M (OT)	10:30	1	E3.23
n(ame)	j(ob)	s(tart) t(ime)													
A(li)	t(yres)	08:45													
B(ill)	s(ervice)	13:15													
C(assie)	M (OT)	10:30													
5	Indicates (MOT) 96 AND (Service) 82 AND (Tyres) 128 Accept if answer(s) shown outside the table	1	E3.21												
6	No AND 188 OR No AND 11(th)	1	E3.1												
7	<p>Valid process to work out amount for one tyre e.g. $438.88 \div 8$</p> <p>(£)54.86</p> <p>Correct £ symbol and money notation used i.e. two decimal places and not £54.86p Award this mark for correct £ symbol and money notation shown on an incorrect amount</p>	<p>1 or</p> <p>2</p> <p>1</p>	<p>E3.10</p> <p>E3.10</p> <p>E3.10</p>												
8	Indicates (£)69.95 and no other	1	E3.21												
9	<p>Correct reading of a time i.e. quarter past two OR five past three OR 15:05 Accept any common time format Do not accept 14:15</p> <p>Correct answer i.e. 50 (minutes)</p>	<p>1 or</p> <p>2</p>	<p>E3.13</p> <p>E3.13</p>												

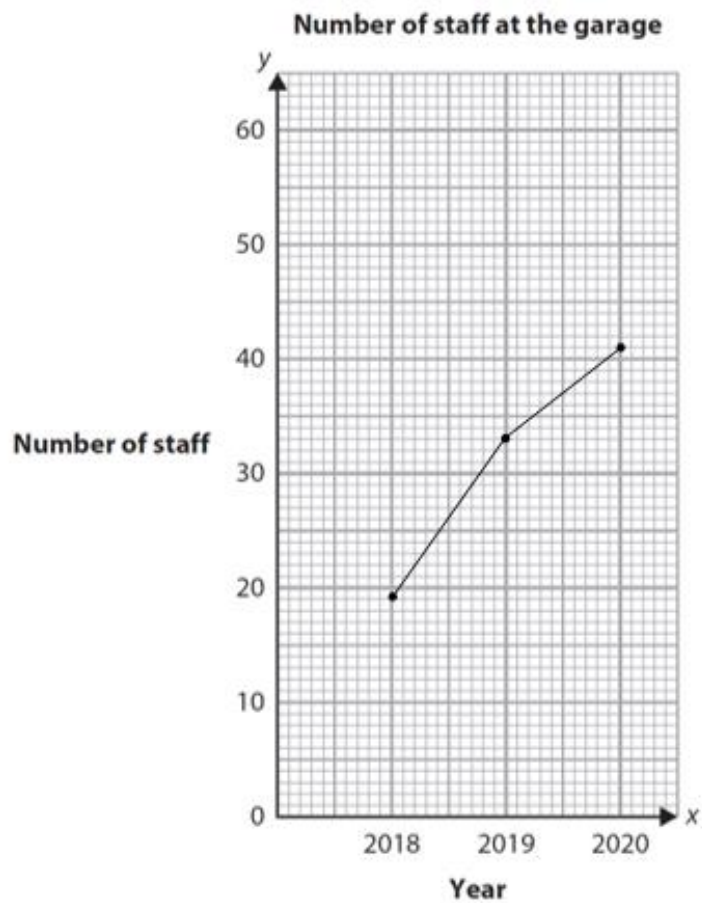
Question	Answer	Mark(s)	Content
10	Valid process to find figures to compare e.g. $60 \div 3$ OR $60 \times \frac{1}{3}$ OR 19×3 No AND 20 (litres) OR No AND 1 (litres difference) OR No AND 57 (litres) OR No AND 3 (litres difference)	1 or 2	E3.7 E3.7
11	Indicates D and no other	1	E3.19
12	64 (mm) OR 6.4 (cm) Accept equivalent in other units Assessor to check actual dimension on candidate's question paper. Accept answers within 2 mm of actual dimension (or equivalent).	1	E3.18
13	$\frac{1}{2}$ (turn) or equivalent fraction Accept in words e.g. one half	1	E3.20
14	Valid process to work with capacity e.g. $1000 - 454$ 546 (ml) Accept in litres	1 or 2	E3.17 E3.17
15a	450	1	E3.5
15b	Correct answer for the check i.e. $(1000 - 450 =) 550$ OR $(546 + 450 =) 996$ Accept use of 550 for 546 with working shown Award this mark for a correct answer based on 454 incorrectly rounded i.e. 460 used rather than 450 Accept a valid check using 450 but based on an incorrect calculation in question 14 e.g. $1000 + 454$	1	E3.5
16	Correctly plots AND joins all three values i.e. 19 AND 33 AND 41 Accept reasonable attempt to plot accurately e.g. 33 plotted above gridline 32 and below gridline 34 See answer example at the end of mark scheme	1	E3.23

Question	Answer	Mark(s)	Content
17	300 (ml) OR Accept a valid process i.e. 1000 – their reading of more than 250 but less than 300	1 or	E3.14
	700 (ml) Accept equivalent in litres	2	E3.14
	The scale shows a reading between divisions. The candidate is required to identify a scale reading to the nearest unlabelled division.		
18	Correct values from chart i.e. 38 AND 74 OR Valid process to make comparison using 1 correct value from chart e.g. 38 + 33 OR 74 – 33	1 or	E3.22
	Valid process to make comparison using both correct values from the chart e.g. 74 – 38 OR 38 + 33 AND 74 OR 74 – 33 AND 38	2 or	E3.22
	No AND 36 OR No AND 3 (difference) OR No AND 71 AND 74 OR No AND 41 AND 38	3	E3.22

Total marks for Section B: 27

Total marks for assessment: 36

Answer example for Question 16



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