

Reformed Functional Skills
Mathematics at Entry 3

For first teaching September 2019

Valid from September 2019 to August 2020

Set 1

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 figures to compare e.g. 86 × 9 OR 750 ÷ 9 OR 750 ÷ 86	1 or	E3.4
	Yes AND (£)774 OR Yes AND 83 (remainder 3) OR Yes AND 8 (remainder 62)	2	E3.4
2	Valid process to find the number of weeks and days e.g. 103 ÷ 7	1 or	E3.3
	14 (weeks) OR 5 (days)	2 or	E3.3
	14 (weeks) AND 5 (days) Award three marks only if 14 is clearly indicated as the number of weeks and 5 is clearly indicated as the number of days	3	E3.3
3	Valid process to find the total number of downloads e.g. 328 + 496	1 or	E3.2
	824 (downloads)	2	E3.2
4	Valid process to find a quarter of 976 e.g. 976 ÷ 4	1 or	E3.7
	244 (downloads)	2	E3.7

Total marks for Section A: 9

Mark scheme, Section B – Calculator

Question	Answer	Mark(s)	Content
1	Indicates twenty-five to nine and no other	1	E3.13
2	Correct width i.e. 63 (cm) OR 630 mm	1 or	E3.14
	OR Valid process to add two widths e.g. 540 + 80 OR 54 + 8 OR		
	Valid process to add two widths with one incorrect conversion e.g. 5.4 + 8		
	Valid process to compare width of space and total width of screen and speaker in consistent units e.g. 63 AND 54 + 8 OR 63 – 54 – 8 OR 63 – 8 AND 54	2 or	E3.15
	Yes AND 63 AND 62 (cm) OR Yes AND 1 (cm spare) OR Yes AND 9 (cm available for the speaker) AND 8 (cm) OR Yes AND 55 (cm available for the screen) AND 54 (cm) Accept equivalents in mm	3	E3.15
3	Indicates 1.77 (kg) and no other	1	E3.16
4	Identifies two correct values from the chart i.e. 180 AND 740	1 or	E3.22
	OR Valid process to start making comparison using 1 incorrect value e.g. 950 – 720 OR 740 + 140		
	Valid process to make comparison e.g. 180 + 740 OR 950 – 180 – 740	2 or	E3.22
	Yes AND 920 (downloads) OR Yes AND 30 (downloads more)	3	E3.22

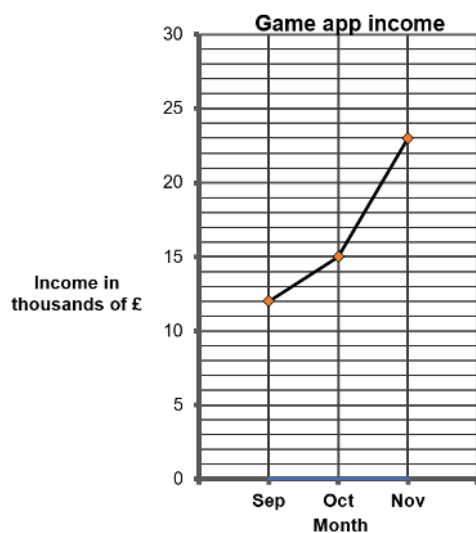
Question	Answer	Mark(s)	Content
5	1:30 OR 1.30 OR half past one OR half past 1	1 or	E3.12
	1:30 pm OR 1.30 pm OR 13:30 OR 13.30 OR half past one pm OR half past 1 in the afternoon	2	E3.12
6	75 (points)	1	E3.6
7	North-West OR NW	1	E3.20
8	Indicates trapezium and no other Accept 1 line of symmetry drawn on the trapezium only	1	E3.19
9	Indicates November OR 809 and no other	1	E3.21
10	Uses correct scale i.e. linear to cover the full data set	1	E3.23
	Correctly plots AND joins all three values i.e. 12 AND 15 AND 23	1	E3.23
	See example at the end of mark scheme		
11	10	1	E3.21
12	Valid process to find the difference e.g. $321 - 208$	1 or	E3.2
	113 (processes)	2	E3.2
13a	200	1	E3.5
13b	Correct answer from the check i.e. $(321 - 200 =) 121$ OR $(200 + 113 =) 313$ Award this mark for a correct answer based on 208 incorrectly rounded i.e. 210 used rather than 200 Accept a correct check based on correct rounding of both numbers i.e. $(300 - 200 =) 100$ Award this mark using 200 for a valid check of their incorrect process in question 12 e.g. $(321 + 200 =) 521$	1	E3.5

Question	Answer	Mark(s)	Content
14	Valid process to compare capacities e.g. 500 – 330 OR 500 ÷ 2 OR 330 × 2 AND 500	1 or	E3.17
	No AND 170 (ml) OR No AND 250 (ml) OR No AND 660 (ml) AND 500 (ml) Accept equivalents in litres Working must be shown in consistent units	2	E3.17
15	Valid process to find the difference e.g. 75(.00) – 48.9(0)	1 or	E3.10
	26.1(0)	2	E3.10
	Correct £ symbol and money notation used i.e. two decimal places and not £26.10p Award this mark for correct £ symbol and money notation shown on an incorrect value	1	E3.10
16	49	1	E3.11

Total marks for Section B: 27

Total marks for assessment: 36

Example solution to Section B, Question 10.



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