Pearson Edexcel

Reformed Functional Skills

Mathematics at Entry 3

Valid from September 2020 to August 2021

Past Paper Set 4

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
- 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 (£)500	1 or 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

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Mark scheme, Section A – Non-calculator

Question	Answer	Mark(s)	Content
1	Valid process to add 256 to 288 e.g. 256 + 288 544	1 or 2	E3.2 E3.2
2	Valid process to find the total number of plants e.g. 25 × 15 375 (plants)	1 or 2	E3.4 E3.4
3	Valid process to find the number of full trays e.g. 550 ÷ 60 9 (full trays) OR 10 (plants left over) 9 (full trays) AND 10 (plants left over) Accept only if 9 is clearly the number of full trays and 10 is the remainder	1 or 2 or 3	E3.3 E3.3 E3.3
4	Valid process to compare weights, e.g. 1000 − 635 OR 1000 − 384 OR 635 + 384 AND 1000 (g) Yes AND 365 (g) OR Yes AND 616 (g) OR Yes AND 1019 (g) AND 1000 (g) OR Yes AND 19 (g difference) Accept equivalents in kg. Working must be shown in consistent units.	1 or 2	E3.16 E3.16

Total marks for Section A: 9

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Mark scheme, Section B – Calculator

Question	Answer	Mark(s)	Content
1	Indicates 325 (cm) and no other	1	E3.1
2	Valid process to confirm the statement e.g. 300 – 136 OR 300 – 174 OR 136 + 174 No AND 164 (plants) OR No AND 126 (plants) OR No AND 310 (plants) OR No AND 10 (plants difference)	1 or 2	E3.2 E3.2
3	No AND 40 (plants) OR No AND 60 (plants difference) OR No AND 1000 (plants) OR No AND 600 (plants difference) OR No AND $\frac{1}{4}$ (of the plants)	1	E3.7
4	4 (°C)	1	E3.14
5	Shows correct linear scale (i.e. every division has equal value) on the y axis to cover the range of data Accept a linear scale that does not start at 0 Correctly plots AND joins all three values i.e. 11 AND 18 AND 13 by using a linear scale to cover the range of data e.g. based on the provided grid lines See answer example at the end of mark scheme	1 1	E3.23 E3.23
6	Indicates a suitable position for the heater i.e. 5 squares or more from each side. See answer example at the end of mark scheme	1	E3.23
7	$\frac{1}{4}$ (turn) or equivalent fraction Accept in words e.g. one quarter	1	E3.20

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Question	Answer	Mark(s)	Content
8	Valid process to find the total e.g. 44.34 + 3.76 (£)48.1(0) Correct £ symbol and money notation used i.e. two decimal places, not £48.10p Award this mark for correct £ symbol and money notation shown on an incorrect amount	1 or 2 1	E3.10 E3.10 E3.10
9a	(£)3.80	1	E3.11
9b	Correct answer for the check, i.e. (44.34 + 3.80 =) (£)48.14 (48.10 – 3.80 =) (£)44.3(0) Award this mark for a correct answer based on an incorrect rounding of 3.76 i.e. 3.70 used rather than 3.80 Accept a correct check based on correct rounding of both costs i.e. (44.30 + 3.80=) 48.10 Accept a valid check using 3.80, but based on an incorrect calculation in question 8 e.g. 44.34 – 3.80	1	E3.5
10	Indicates 20:10 and no other	1	E3.13
11	23 (mm)	1	E3.21
12	400 (ml) OR Valid process to find the amount of water needed using an incorrect amount from the scale e.g. 1000 − 200 Valid process to find the amount of water needed e.g. 1000 − 400 (ml) 600 (ml) Accept equivalents in litres. Working must be shown in consistent units.	1 or 2 or 3	E3.17 E3.17 E3.17
13	Indicates triangle and no other	1	E3.19
14	90 (mm)	1	E3.6

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Question	Answer	Mark(s)	Content
15	Correct values from chart i.e. 560 (cm) AND 380 (cm) OR Valid process to make a comparison using 1 correct value from the chart e.g. 530 – 380 OR 560 – 340 OR Indicates 9 (divisions) AND 20 (cm per division)	1 or	E3.22
	Valid process to make a comparison e.g. 560 – 380 OR 9 × 20	2 or	E3.22
	180 (cm)	3	E3.22
16	Indicates (forklift) C and no other	1	E3.21
17	Indicates (plant) E and no other	1	E3.8
18	6	1	E3.21

Total marks for Section B: 27

Total marks for assessment: 36

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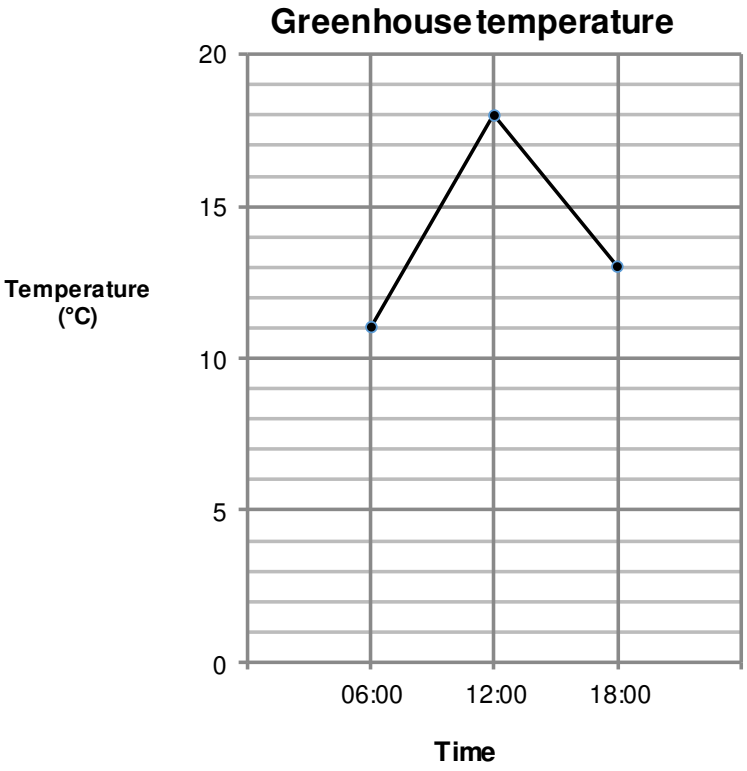
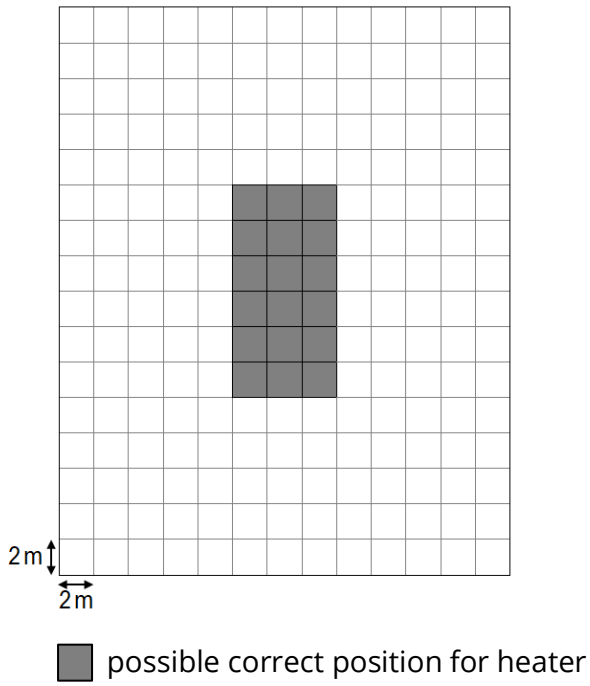
Answer example for Question 5



Answer example for Question 6



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