

Functional Skills  
**Mathematics at Entry 3**

Valid from September 2023 to August 2024

**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
  - 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  (£)500	1 or  2	
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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. $347 + 296$	1 or	E3.2
	643 (pages)	2	E3.2
2	Valid process to find figures to compare e.g. $104 \div 4$ OR $104 \times \frac{1}{4}$ OR $27 \times 4$	1 or	E3.7
	No AND 26 (pictures) OR No AND 1 (picture difference) OR No AND 108 (pictures) OR No and 4 (pictures difference)	2	E3.3
3	Valid process to find the total e.g. $74 \times 13$	1 or	E3.4
	(£)962	2	E3.4
4	419	1	E3.2
5	Valid process to find daily sales, e.g. $875 \div 7$	1 or	E3.3
	125	2	E3.3

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

Question	Answer	Mark(s)	Content
1	Indicates 10:07 Accept any common time format	1	E3.21
2	Valid process to find the total e.g. $26.9(0) + 9.4(0)$  $(£)36.3(0)$  Correct £ symbol and money notation used i.e. two decimal places and not £36.30p Award this mark for correct £ symbol and money notation shown on an incorrect value	1 or  2  1	E3.10  E3.10  E3.10
3a	$(£)3(.00)$	1	E3.11
3b	Correct answer for the check i.e. $(5 \times 3 = )15$ OR $(17.00 \div 3 =) 5.6(\dots)$  Accept a valid check based on 3.40 rounded up to 4 with working shown i.e. $5 \times 4 = 20$ OR $17.00 \div 4 = 4.25$	1	E3.5
4	Indicates North west and no other	1	E3.20
5	$1:30$ OR $1.30$ OR half past one OR $\frac{1}{2}$ past 1  $1:30\text{pm}$ OR $1.30\text{pm}$ OR half past one pm OR $\frac{1}{2}$ past 1pm OR $13:30$ OR $13.30$	1 or  2	E3.13  E3.12

Question	Answer	Mark(s)	Content																
6	Enters three correct subjects in the Subject column e.g. <table border="1"> <thead> <tr> <th>Subject</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>M(usic)</td> <td></td> </tr> <tr> <td>A(rt)</td> <td></td> </tr> <tr> <td>H(istory)</td> <td></td> </tr> </tbody> </table> <p>Accept topics in any order. OR Enters at least one subject in the Subject column AND correct corresponding frequency e.g.</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>M(usic)</td> <td>4</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Subject	Frequency	M(usic)		A(rt)		H(istory)		Subject	Frequency	M(usic)	4					1 or	E3.21
	Subject	Frequency																	
M(usic)																			
A(rt)																			
H(istory)																			
Subject	Frequency																		
M(usic)	4																		
	Frequency table completed e.g. <table border="1"> <thead> <tr> <th>Subject</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>M(usic)</td> <td>4</td> </tr> <tr> <td>A(rt)</td> <td>6</td> </tr> <tr> <td>H(istory)</td> <td>5</td> </tr> </tbody> </table> <p>Accept completed rows in any order.  Do not accept tallies.</p>	Subject	Frequency	M(usic)	4	A(rt)	6	H(istory)	5	2	E3.21								
Subject	Frequency																		
M(usic)	4																		
A(rt)	6																		
H(istory)	5																		
7	16(cm)	1	E3.18																
8	Valid process to compare heights e.g. $100 \div 2$ OR $48 \times 2$ AND 100 OR $100 - 48$  Yes AND 50 (cm) OR Yes AND 96 (cm) AND 100 (cm) OR Yes AND 4 (cm) OR Yes AND 52 (cm)  Accept equivalents in metres Working must be shown in consistent units	1 or	E3.15																
		2	E3.15																
9	Indicates B and no other	1	E3.19																
10	779 781 823 829 937 Accept D B A E C	1	E3.1																

Question	Answer	Mark(s)	Content
11	190 AND 150 OR Valid process to make comparison using 1 correct value from graph e.g. 350 – 190 OR 350 – 150 OR Indicates 34 (divisions) AND 10 (books per division)	1 or	E3.22
	Valid process to make comparison using both correct values e.g. 190 + 150 (=340) OR 350 – 190 – 150 (=10)	2 or	E3.22
	No AND 340 (books published) OR No AND 10 (books difference)	3	E3.22
12	Indicates 5 and no other	1	E3.8
13	Suitable y-axis title AND x-axis category labels, e.g. (Number of) bookshops AND S(outh) N(orth) W(est)	1	E3.23
	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	1 or	E3.23
	Correctly draws all three bars, i.e. 80 above label for South AND 64 above label for North AND 30 above label for West, using a linear scale to cover the range of data, e.g. based on the provided grid lines	2	E3.23
	Accept a clear point or line indicating the correct value in the correct position  See example answer at the end of mark scheme		
14	Indicates 17:12 and no other	1	E3.13
15	8 (°C)	1 or	E3.14
	No AND 3 (°C) OR No AND 1(°C difference) OR No AND 10 (°C)  For 1 mark only accept their answer using the correct difference between 11 and their incorrect reading with their incorrect reading shown	2	E3.14

Question	Answer	Mark(s)	Content
16	59	1	E3.6

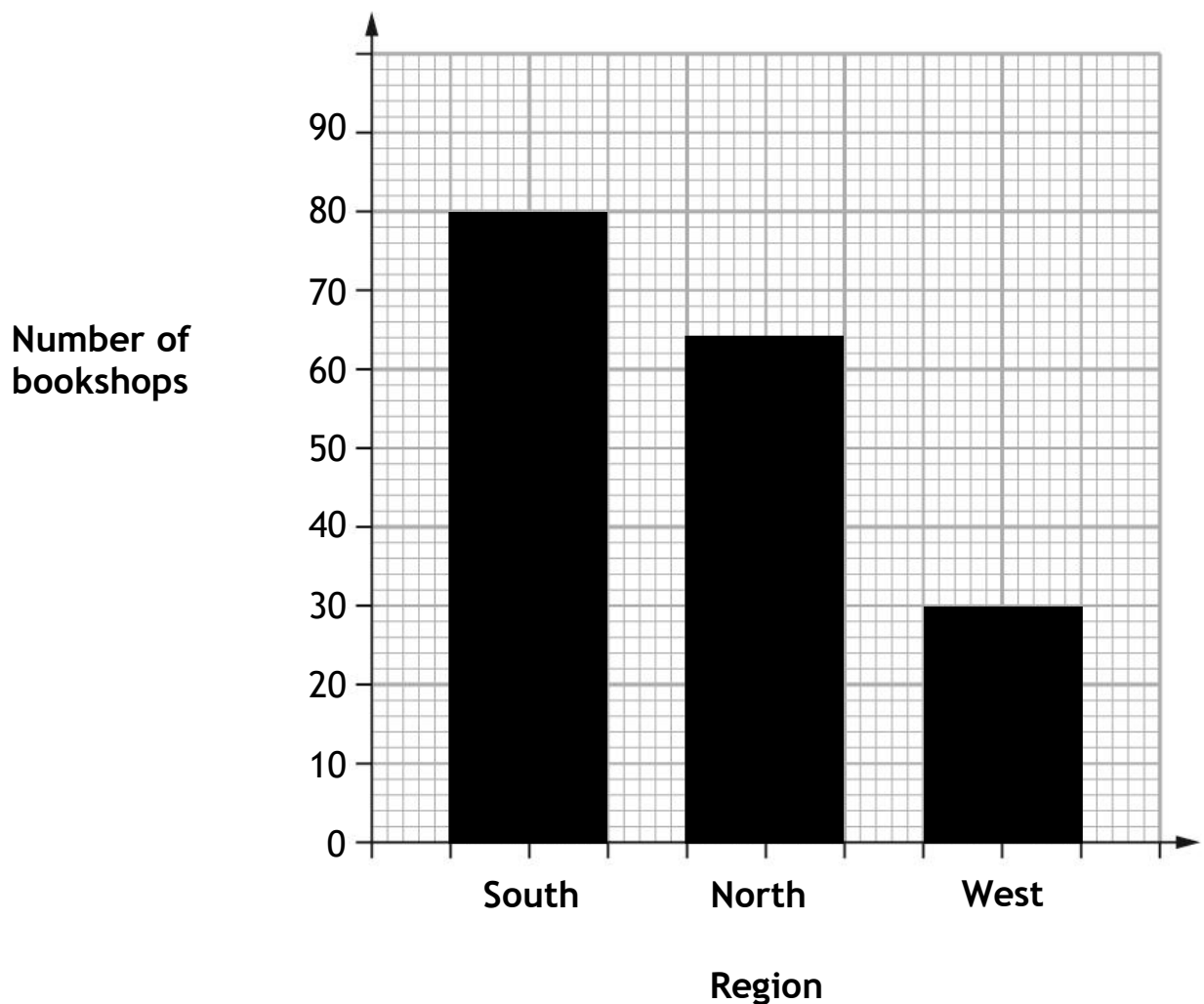
Total marks for Section B: 27

**Total marks for assessment: 36**

**Pass mark: 24**

Example answer to Question 13

**Bookshops in three regions**



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