REVISE
.wales

F2.06 — Recurring decimals — recognise & express

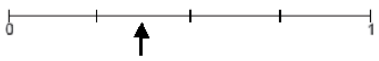
Mark schemes for the F2.06 question pack

Spec 1.9.1 — Unit 2

SOLUTIONS · 2025 SPECIFICATION

Mark schemes for the 9 questions in the corresponding revise.wales question pack (9 marks total). Sources: legacy WJEC GCSE papers, WJEC SAM, and custom-authored mark schemes. Pack layout © revise.wales.

1.(a)	0·39 × (£)576 or equivalent = (£)224.64 ISW		M1 A1	Do not accept approximating e.g. 10%=£58 etc. Allow £224.64p and 22464p but not 22464.
1.(b)	43		B2	B1 for sight of 42·8(.....) or 42·9 or $42\frac{6}{7}$ or 300/7. Allow SC1 for 42. B0 for 300 ÷ 7.
1.(c)	40		B1	Accept embedded answers e.g. 0·25 × 40 = 10.
1.(d)	$\frac{1}{12}$ or equivalent fraction		B1	Mark final answer. B0 for $\frac{0·5}{6}$, 0·083.. etc.
1.(e)	$\frac{10}{}$		B1	

		• use appropriate terminology, units, etc.
11.(a) 3	B1	
11.(b) unlikely	B1	
11.(c) 	B1	Any indication of ¼ to ½ exclusive.

12.(a)	0·39 × (£)576 or equivalent = (£)224.64 ISW	M1 A1	Do not accept approximating e.g. 10%=£58 etc. Allow £224.64p and 22464p but not 22464.
12.(b)	43	B2	B1 for sight of 42·8(.....) or 42·9 or $42\frac{6}{7}$ or 300/7. Allow SC1 for 42. B0 for 300 ÷ 7.
12.(c)	40	B1	Accept embedded answers e.g. 0·25 × 40 = 10.
12.(d)	$\frac{1}{12}$ or equivalent fraction	B1	Mark final answer. B0 for $\frac{0{\cdot}5}{6}$, 0·083.. etc.
12.(e)	$\frac{10}{}$	B1	

WJEC GCSE MATHEMATICS

AUTUMN 2021 MARK SCHEME

Unit 2: Intermediate Tier		Mark	Comments
1.(a)	$7x = 14$ $x = 2$	B1 B1	 FT from $7x = k$. Accept $x = k/7$ (but, if on FT k is a multiple of 7, final answer must be given as a whole number.) B1B0 for '$x = 14/7$' An evaluated FT for $k \div 7$ must be rounded or truncated to at least 2dp. e.g. $7x = 8$ (B0) followed by, $x = 8 \div 7$ (B0) $x = 8/7$ (B1), $x = 1^{1}/_{7}$ (B1), $x = 1{\cdot}14$ (B1), $x = 1{\cdot}1$ (B0) Mark final answer. Allow 2 marks for embedded answer BUT only 1 mark if contradicted by $x \neq 2$.
1.(b)	10	B2	C.A.O. B1 for sight of $17{\cdot}4$ OR $-7{\cdot}4$ Do not accept $17{\cdot}4f$ nor $-7{\cdot}4g$ Do not treat the use of $3{\cdot}7$ for $-3{\cdot}7$ as a misread.
2.(a)	$\frac{24}{54}$	B1	
2.(b)	23	B1	
2.(c)	1853	B1	
3.	(Total number of paper clips =) $200 \times 440 \times n$ where $320 \leq n \leq 330$.	M2	M1 for $200 \times n$ OR $440 \times n$ where $320 \leq n \leq 330$. Allow use of 400 or 450 for 440. *Note* *If n taken to be 225 or 425 treat as a misread and allow M2 but penalise −1 from any further A1, B1 marks gained.*
	Correct evaluation.	A1	CAO from their numbers if M2 gained. (n=320 gives 28 160 000, n=325 gives 28 600 000, n=330 gives 29 040 000.)
	(To the nearest ten million) 30 000 000 (paper clips)	B1	FT 'their evaluation' if greater than 5 million. A final answer of 30 million implies M2A1B1. Allow M2A0B0 for an unsupported final answer of 28 000 000 or 29 000 000.
OCW	Organisation and Communication.	OC1	For OC1, candidates will be expected to: • present their response in a structured way • explain to the reader what they are doing at each step of their response • lay out their explanation and working in a way that is clear and logical • write a conclusion that draws together their results and explains what their answer means
	Accuracy of writing.	W1	For W1, candidates will be expected to: • show all their working • make few, if any, errors in spelling, punctuation and grammar • use correct mathematical form in their working • use appropriate terminology, units, etc
4.(a)	3	B1	If no answer seen, check table.
4.(b)	15	B1	If no answer seen, check table.

2.(a)	$\frac{1}{6}$	B1	
2.(b)	31 43 47	B2	Answer space takes precedence. Award B2 for all three primes. Accept in any order. Award B1 for two correct primes. If no answers given on answer spaces, and numbers given are circled/clearly indicated, award B1 for one of the following: • two correct primes provided no more than 3 numbers selected • all 3 primes and 1 incorrect number if 4 numbers selected.
2.(c)	$(n =)$ 4	B1	Note: Award B1 for a correct embedded answer e.g. $3^4 = 81$, BUT B0 if contradicted by $n \neq 4$.

12.(a)	$\frac{1}{6}$	B1	

	31	43	47	B2	Award B2 for all three primes. Accept in any order. Award B1 for two correct primes. If no answers given on answer spaces, and numbers given are circled/clearly indicated, award B1 for one of the following: • two correct primes provided no more than 3 numbers selected • all 3 primes and 1 incorrect number if 4 numbers selected.

Unit 2: Intermediate Tier	Mark	Comments
1.(a) $x = 100$	B1	Mark final answer. Allow B1 for a correct embedded answer BUT B0 if contradicted by $x \neq 100$.
1.(b) $7m = 28$ $m = 4$	B1 B1	FT from $7m = k$. Unsupported answer of 4 is awarded B1B1. $m = \frac{28}{7}$ is awarded B1B0. If FT leads to a whole number answer, it must be shown as a whole number. Otherwise accept a fraction or decimal (e.g. if $7m = 34$, then $m = \frac{34}{7}$ is awarded B0B1, but m = 34÷7 is awarded B0B0). Allow B1B1 for a correct embedded answer BUT only B1B0 if contradicted by $m \neq 4$.

2.(a)	0·55 × 42·8 or equivalent. = 23·54	M1 A1	Award M1 for complete method. CAO. If 23·54 is seen, but then **a rounded or truncated** (e.g. 23·5) value is given award M1A1. Do **not** ignore any other subsequent work (e.g. 23·54 seen but then 66·34 given as a final answer is awarded M1A0). An unsupported answer of 23·54 is awarded M1A1. If no marks, award SC1 for an answer of: • 23·5 (unsupported) • 23·54% (unsupported) • 66·34 (× 1·55) (supported or unsupported) • 19·26 (× 0·45) (supported or unsupported).
2.(b)	$\frac{3}{16}$	B1	

End of solutions