
GCSE Mathematics

Compound Interest & Depreciation Practice

Mark Scheme - Foundation, Grade 5-7

M = method mark, A = accuracy mark (dependent on the preceding M mark), B = independent mark.

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Edexcel-style questions

Q1 Grade 5 Edexcel style**Total: 2**

Part	Mark scheme	Marks
(a)	2000×1.05^3	M1
(a)	£2315.25	A1

Q2 Grade 5 Edexcel style**Total: 2**

Part	Mark scheme	Marks
(a)	$12\,000 \times 0.85^2$	M1
(a)	£8670	A1

Q3 Grade 6 Edexcel style**Total: 2**

Part	Mark scheme	Marks
(a)	$4000 \times 1.03^2 = £4243.60$	M1
(a)	£243.60	A1

Q4 Grade 6 Edexcel style**Total: 2**

Part	Mark scheme	Marks
(a)	6000×1.025^4	M1
(a)	£6622.88	A1

Q5 Grade 7 Edexcel style**Total: 2**

Part	Mark scheme	Marks
(a)	5000×1.035^3	M1
(a)	£5543.59	A1

AQA-style questions**Q6** Grade 5 AQA style**Total: 2**

Part	Mark scheme	Marks
(a)	1500×1.04^2	M1
(a)	£1622.40	A1

Q7 Grade 5 AQA style**Total: 2**

Part	Mark scheme	Marks
(a)	8000×0.8^3	M1
(a)	£4096	A1

Q8 Grade 6 AQA style**Total: 2**

Part	Mark scheme	Marks
(a)	$2500 \times 1.02^3 = £2653.02$	M1
(a)	£153.02	A1

Q9 Grade 6 AQA style**Total: 2**

Part	Mark scheme	Marks
(a)	2000×1.03^5	M1
(a)	£2318.55	A1

Q10 Grade 7 AQA style**Total: 2**

Part	Mark scheme	Marks
(a)	2400×1.02^5	M1
(a)	2650	A1

OCR-style questions

Q11 Grade 5 OCR style**Total: 2**

Part	Mark scheme	Marks
(a)	3000×1.06^2	M1
(a)	£3370.80	A1

Q12 Grade 5 OCR style**Total: 2**

Part	Mark scheme	Marks
(a)	$15\,000 \times 0.9^2$	M1
(a)	£12 150	A1

Q13 Grade 6 OCR style**Total: 2**

Part	Mark scheme	Marks
(a)	$5000 \times 1.04^2 = £5408$	M1
(a)	£408	A1

Q14 Grade 6 OCR style**Total: 2**

Part	Mark scheme	Marks
(a)	9000×0.92^4	M1
(a)	£6447.57	A1

Q15 Grade 7 OCR style**Total: 2**

Part	Mark scheme	Marks
(a)	$900 \times 0.7 \times 0.8 \times 0.8$	M1
(a)	£403.20	A1

Teachably-style questions

Q16 Grade 5 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	1000×1.1^3	M1
(a)	£1331	A1

Q17 Grade 5 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	6000×0.75^2	M1
(a)	£3375	A1

Q18 Grade 6 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	$3200 \times 1.05^2 = £3528$	M1
(a)	£328	A1

Q19 Grade 6 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	1200×1.06^4	M1
(a)	£1514.97	A1

Q20 Grade 7 Teachably style

Total: 2

Part	Mark scheme	Marks
(a)	$80\,000 \times 1.06^4$	M1
(a)	£100 998	A1

END OF PAPER

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