



# Currency Conversions

## Mark Scheme 2

Level	IGCSE
Subject	Maths (0580)
Exam Board	Cambridge International Examinations (CIE)
Paper Type	Extended
Topic	Number
Sub-Topic	Currency Conversions
Booklet	Mark Scheme 2

**Time Allowed:** 59 minutes

**Score:** /49

**Percentage:** /100

**Grade Boundaries:**

A*	A	B	C	D	E	U
>85%	75%	60%	45%	35%	25%	<25%

1	225.(23112)	3	<b>M</b> for $(800 \div 3.8235 - 150) \times 3.8025$ <b>M1</b> for $800 \div 3.8235$
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2	(6)€ or euros (with correct working)	2	<b>M1</b> one of $6 \times 1.9037$ or $11.5 \div 1.9037$ or $11.5 \div 6$ seen
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3	$\frac{840-x}{d}$ or $\frac{840}{d} - \frac{x}{d}$	3	<b>M</b> $400 \times 2.1$ <b>M1</b> “ $400 \times 2.1$ ” – $x$
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4	36 cao	3	<b>M1</b> $1900/2.448 (= 776.14)$ <b>A1</b> “ $776.(14\dots)$ ” – $740 (= 36.14\dots)$
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5	1.14		<b>M1</b> $3.38 \div 1.04 (= 3.25)$ or <b>M1</b> $4.39 \times 1.04$
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6	650		<b>M1</b> $\frac{600}{2.4} (\times 2.6)$
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7	500		<b>M1</b> for $600 \times 0.6 \div 0.72$ seen
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8	(a) 261.48 cao	2	<b>M1</b> 4000 / 15.2978
	(b) 3.86(48...) or 3.865	2	<b>M1</b> (15.9128 – 15.2978)/15.9128 (× 100) or (“261.48 – 4000/15.9128) / “261.48”

9	£3000	3	<b>M1</b> 1.96 × 25000 <b>M1</b> “49000” / 1.75
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10	\$231.13 cao	2	<b>M1</b> 245 / 1.06 or 245 × 0.94(3...) Allow 231, 231.1, 231.13... for <b>M1</b>
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11	(a) 0.701 cao	1	Allow 0.70, of course, if 0.701 seen in working
	(b) (-)190	2*	<b>M1</b> 14020 – 20000 x 0.6915 or reversed

12	(a) 3110	2*	<b>M1</b> for 1936 ÷ 0.623 or 1936 x 1.61 Allow 3107.54, 3107.5, 3108 or 3107.3
	(b) 322	1 √	<b>SC1</b> 3107 1000000 ÷ (a)

13 (a)	7.85 to 8(.00...)	1		
(b)	56.25 to 57.5(0)	1		2

14	512.82 cao	2*	M1 500 + 0.975 or 500 × 1.026
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15	(a)	$\frac{1.5}{100} \times 450000$ oe	1	Accept equivalent methods
	(b)	6000	3	<b>M2</b> for $\frac{6750}{112.5} \times 100$ oe or <b>M1</b> for 112.5% associated with 6750 oe
	(c)	376.25 cao final answer	2	<b>B</b> for 21.5 and 17.5 seen
	(d)	22.4	2	<b>M1</b> for $200^2$ or $2^2$ seen oe
	(e)	5184	2	<b>M1</b> for $12 \times 16 \times 27$
	(f)	9023	3	<b>M1</b> for $12000 \div 1.33$ <b>A1</b> for 9022.55 to 9022.56 or 9022.6 or 9020 <b>B1indep</b> for their answer rounded to the nearest euro if possible

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