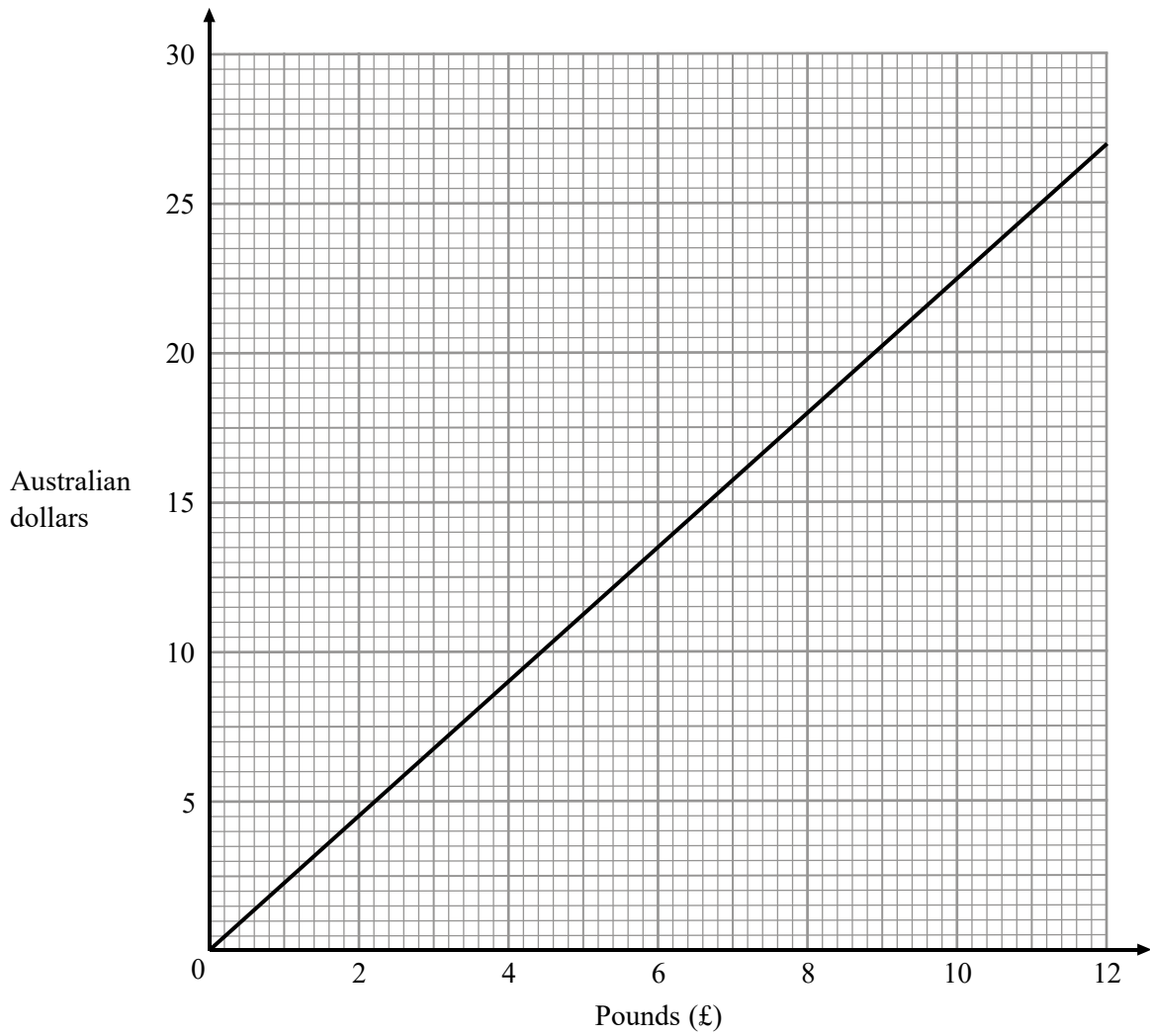


1. Here is a conversion graph between pounds (£) and Australian dollars.



(a) Change 20 Australian dollars to pounds.

£ .....

(1)

(b) Change £7 to Australian dollars.

..... Australian dollars

(1)

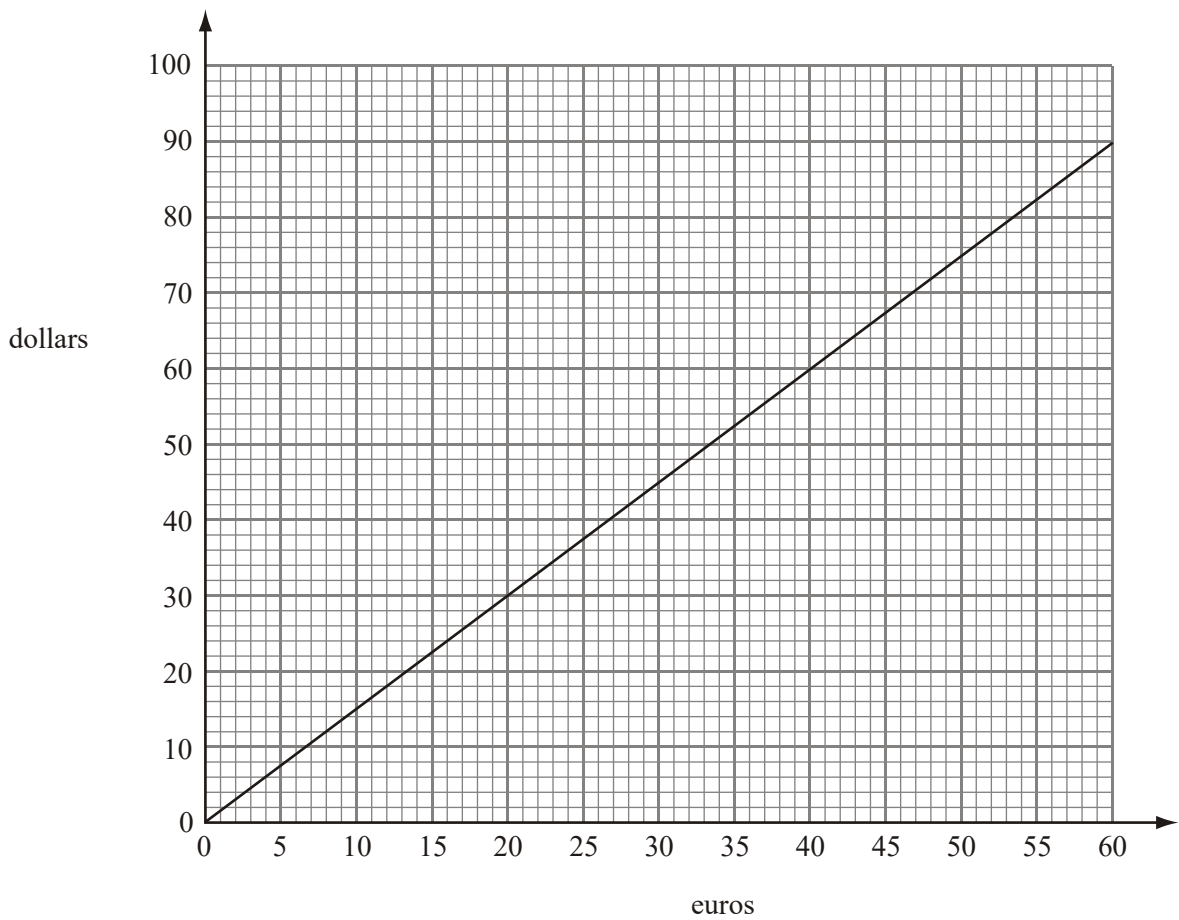
(c) Change £400 to Australian dollars.

..... Australian dollars

(2)

(Total 4 marks)

2.



The conversion graph can be used to change between euros and dollars.

(a) Use this graph to change 30 euros into dollars.

..... dollars

(1)

(b) Use this graph to change 90 dollars into euros.

..... euros

(1)

Bill changes 100 euros to dollars.

(c) Change 100 euros to dollars.

..... dollars

(2)

(Total 4 marks)

1.	(a) 8.90	<i>B1 for 8.80 to 9.00 inclusive</i>	1
	(b) 15.60	<i>B1 for 15.51 to 15.99</i>	1
	(c) 900	<i>M1 for a complete method (reading from graph and multiplication) A1 for 880 – 960</i>	2
			<b>[4]</b>

2.	(a) 45	<i>B1 for 44 – 46</i>	1
	(b) 60	<i>B1 cao</i>	1
	(c) 150	<i>M1 for a complete method e.g. reading from graph at 50 euros and doubling (allow ±1mm tolerance in reading from graph) A1 for 140 – 160 SC: B2 for 200</i>	2
			<b>[4]</b>

1. In parts (a) and (b) most candidates knew how to use the graph to convert Australian dollars to pounds and vice versa but many did not read from the graph with sufficient accuracy. At £7, for example, the line clearly passes between \$15.80 and \$16 but answers of \$16 were very common. Some candidates also misread the scale on the vertical axis. The most successful candidates in part (c) were those who used  $\text{£}4 = \$9$  and multiplied by 100. Some read from the graph at  $\text{£}10$  and multiplied by 40 and some read at  $\text{£}1$  and multiplied by 400. Readings from the graph, though, were often inaccurate and  $\text{£}4 = \$8$  and  $\text{£}10 = \$20.50$  were common errors. This question also highlighted weaknesses in multiplying by a multiple of 10. Many candidates showed no working out at all and could receive no marks if the answer given was outside the accepted range.

2. Part (a) was done well by more than three quarters of the candidates.

The most common incorrect answers here were 42.5 (from incorrectly interpreting the vertical scale) and 20 (from reading the wrong scale).

Part (b) was done well by the vast majority of the candidates. In part (c), just over half the candidates were able to score both marks for changing 100 euros to dollars. A common inaccurate approach here was to start with 60 euros ( $= \$90$ ), and then to add \$10 for every 5 euros increase.