

[CONVERSION OF UNITS]

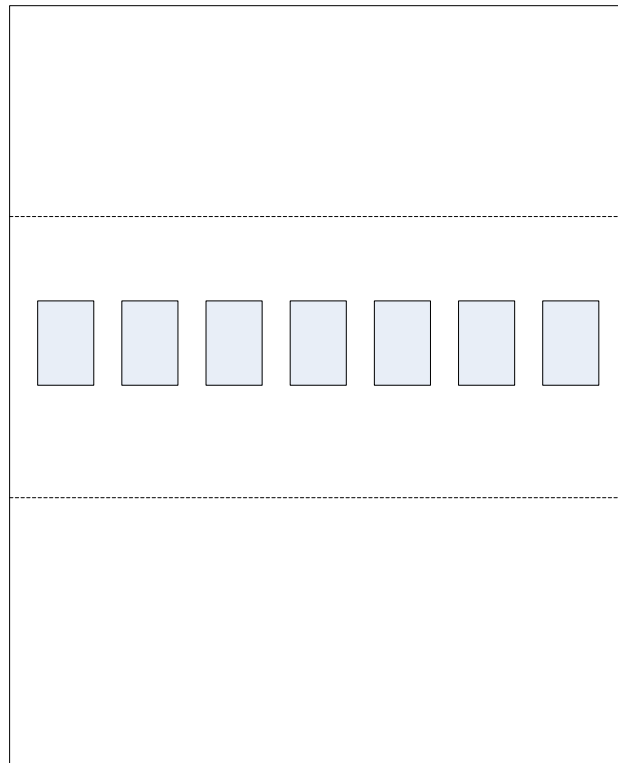
Blue group: Convert one decimal unit into another. Use a currency conversion graph to convert one currency to another. Use two currency conversion graphs simultaneously. Draw a currency conversion graph.

Construct a Unit Converter

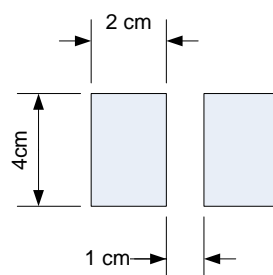
What you will need: Scissors, A3 paper, A4 paper/card, glue

Diagram

The A3 paper should end up looking something like this:



The blue rectangles are holes cut out with the following dimensions:



The dashed lines are folds.

You will need to glue the top third of the paper to the bottom third of the paper.

Fold the A4 paper so it will slot through and then you have your conversion machine.

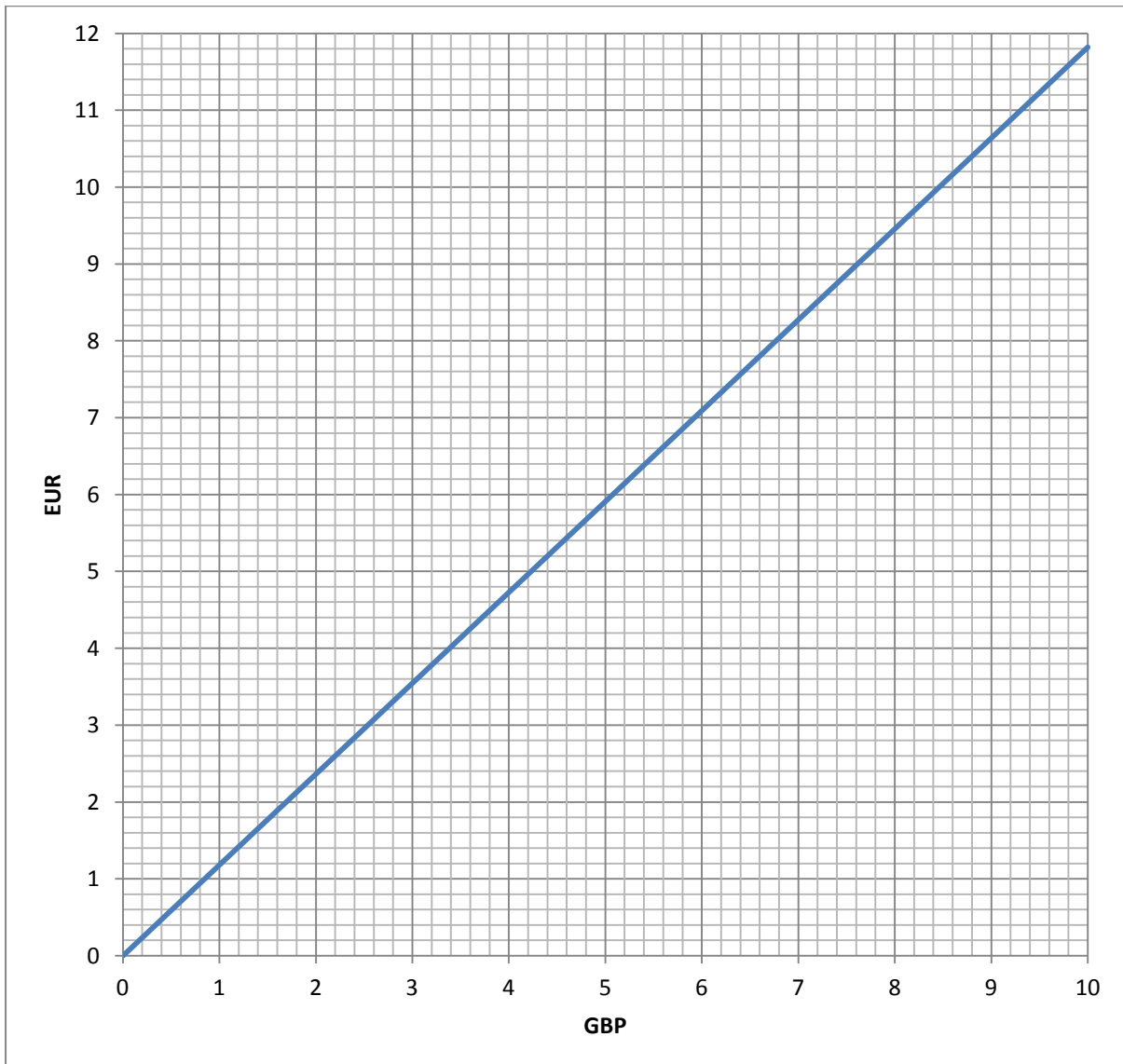
Converting metric units from one form to another

- 1 282.2 l is the same as ml ($\times 1000$)
- 2 10.3 m is the same as cm ($\times 100$)
- 3 3.56 m is the same as mm ($\times 1000$)
- 4 24.35 cm is the same as mm ($\times 10$)
- 5 6253 g is the same as kg ($\div 1000$)
- 6 4230 ml is the same as litres ($\div 1000$)
- 7 6923 cl is the same as litres ($\div 100$)
- 8 1569 mm is the same as cm ($\div 10$)
- 9 7158 mm is the same as m ($\div 1000$)
- 10 857 cm is the same as m ($\div 100$)
- 11 8.47 kg is the same as g ($\times 1000$)
- 12 9.838 l is the same as ml
- 13 20.72 m is the same as cm
- 14 9.24 m is the same as mm
- 15 10.11 cm is the same as mm
- 16 4842 g is the same as kg
- 17 8814 ml is the same as litres
- 18 5048 cl is the same as litres
- 19 1811 mm is the same as cm
- 20 5903 mm is the same as m
- 21 792 cm is the same as m

- 1 156.8 l is the same as ml
- 2 11.98 m is the same as cm
- 3 25.15 m is the same as mm
- 4 11.73 cm is the same as mm
- 5 231 g is the same as kg
- 6 6043 ml is the same as litres
- 7 8671 cl is the same as litres
- 8 7017 mm is the same as cm
- 9 8803 mm is the same as m
- 10 743 cm is the same as m
- 11 12 kg is the same as g
- 12 96.28 l is the same as ml
- 13 2.36 m is the same as cm
- 14 29.81 m is the same as mm
- 15 26.82 cm is the same as mm
- 16 3845 g is the same as kg
- 17 4883 ml is the same as litres
- 18 1543 cl is the same as litres
- 19 36 mm is the same as cm
- 20 3571 mm is the same as m
- 21 778 cm is the same as m
- 22 12 kg is the same as g

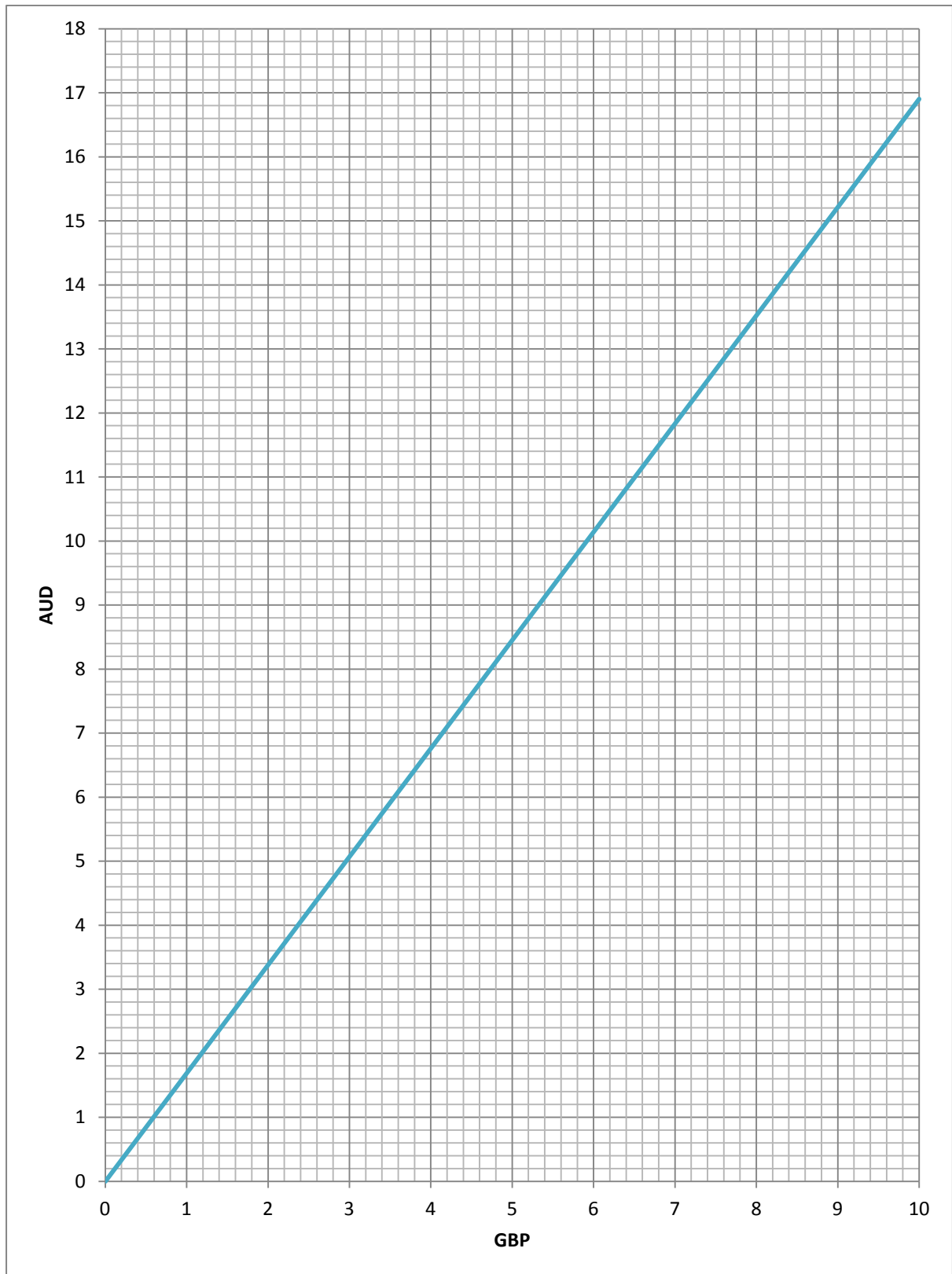
Using a graph to convert one currency to another

The graph below shows the conversion of GB Pounds to Euros on 3rd November 2013.



1. How many Euros can you get for £1.00?
2. How many Euros can you get for £10.00?
3. How many Euros can you get for £100.00?
4. How many pounds can you get for six Euros?
5. How many pounds can you get for sixty Euros?
6. How many pounds can you get for 3.6 Euros?
7. How many pounds can you get for 18 Euros?
8. How many Euros can you get for £38.00?

Below is a conversion graph converting GB pounds into Australian dollars.



See next page for questions

Questions about the GBP to AU\$ Conversion Graph

1. How many dollars can you get for £1.00?
2. How many dollars can you get for £4.40?
3. How many dollars can you get for £7.50?
4. How many dollars can you get for £75.00?
5. How many dollars can you get for £44.00?
6. How many pounds can you get for AU\$13.50?
7. How many pounds can you get for AU\$ 135.00?
8. How many pounds can you get for AU\$40.00?
9. How many pounds can you get for AU\$4,000.00?
10. To the nearest pound, how much can you get for AU\$12.00?
11. To the nearest pound, how much can you get for AU\$9.00?
12. To the nearest AU\$, how much can you get for £4.00?

Questions about Converting AU\$ to Eur.

(You will need to use both conversion graphs for this.)

13. How many Euros can you get for AU\$8.00?
14. How many Euros can you get for AU\$12.00?
15. How many AU\$ can you get for Eighty Euros?

Draw a currency conversion graph for a country that has a currency that converts at a rate of \$3.5 to the £1.

Make up five questions that can be answered from that graph.