

# Exchange Rate Ratios

Aim: I can use ratios.

When on holiday in other countries, it is helpful to be able to estimate the cost of items for sale in our own currency. We can use a ratio to do this.

Example: £1  $\approx$  1.65 Australian dollar.

33p	33p	33p		
33¢	33¢	33¢	33¢	33¢

This bar shows the top row as 99p (33p  $\times$  3), and the bottom row as \$1.65 (33¢  $\times$  5).

The ratio is 3:5, which means an item costing \$5 (Australian dollars) costs about £3.

1. What is the approximate cost of the following items in sterling (British currency)?  
Fill in the table below.

Item	Apple	Ice Cream	Magazine	Book	Cinema Ticket
British £					
Australian \$	50¢	\$1.50	\$2.50	\$4	\$7.50

Here are some sample exchange rates to convert into ratios and then use the ratio to find the cost of items in sterling.

2. £1 = \$1.31 (US dollar)

Ratio: \_\_\_\_\_

Complete the table below using the ratio.

Item	Apple	Ice Cream	Magazine	Book	Cinema Ticket
British £					
US \$	40¢	\$1.60	\$2.40	\$5	\$9

3. £1 = €1.12 (Euro)

Ratio: \_\_\_\_\_

Complete the table below using the ratio.

Item	Apple	Ice Cream	Magazine	Book	Cinema Ticket
British £					
Euro €	40¢	€1.50	€2.50	€5	€8



4. Find some up-to-date exchange rates and find a useful ratio to convert prices.

# Exchange Rate Ratios **Answers**

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The ratio is 3:5, which means an item costing \$5 (Australian dollars) costs about £3.

1. What is the approximate cost of the following items in sterling (British currency)?  
Fill in the table below.

Item	Apple	Ice Cream	Magazine	Book	Cinema Ticket
British £	30p	90p	£1.50	£2.40	£4.50
Australian \$	50¢	\$1.50	\$2.50	\$4	\$7.50

Here are some sample exchange rates to convert into ratios and then use the ratio to find the cost of items in sterling.

2. £1 = \$1.31 (US dollar)  
Ratio: **3:4**

Complete the table below using the ratio.

Item	Apple	Ice Cream	Magazine	Book	Cinema Ticket
British £	30p	£1.20	£1.80	£3.75	£6.75
US \$	40¢	\$1.60	\$2.40	\$5	\$9

3. £1 = €1.12 (Euro)

Ratio: **9:10** (Find the answer by subtracting  $\frac{1}{10}$  or 10%)

Complete the table below using the ratio.

Item	Apple	Ice Cream	Magazine	Book	Cinema Ticket
British £	36p	£1.35	£2.25	£4.50	£7.20
Euro €	40¢	€1.50	€2.50	€5	€8



4. Find some up-to-date exchange rates and find a useful ratio to convert prices.