

# Exchange Rate Ratios Investigation

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

Example: R1,65  $\approx$  ¥1 (Chinese Yuan)

33c	33c	33c	33c	33c
33c	33c	33c	33c	33c

This bar shows the top row as 99c, and the bottom row as R1,65.

The ratio is 3:5, which means that an item costing ¥5 costs about R3.

1. What is the approximate cost of the following items in Rands? Complete the table below.

Item	Apple	Ice Cream	Magazine	Book	Movie Ticket
South African Rands					
Chinese Yuan	50c	¥1.50	¥2.50	¥4	¥7.50

2. Take a look at British pounds and US Dollars exchange rate ratios. £1  $\approx$  \$1.31. Can you calculate the ratio? \_\_\_\_\_ Use the ratio to help you complete the following table.

Item	Apple	Ice Cream	Magazine	Book	Movie Ticket
British Pounds					
US Dollars	40c	\$1.50	\$2.40	\$5	\$9

3. If we change US Dollars to Euros, the exchange would be £1  $\approx$  €1.12. What is this as a ratio? \_\_\_\_\_ Use the ratio to help you complete the following table.

Item	Apple	Ice Cream	Magazine	Book	Movie Ticket
British Pounds					
Euros	40c	€1.50	€2.50	€5	€8

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## Investigation Answers

1. What is the approximate cost of the following items in Rands? Complete the table below.

Item	Apple	Ice Cream	Magazine	Book	Movie Ticket
South African Rands	<b>30c</b>	<b>90c</b>	<b>R1,50</b>	<b>R2,40</b>	<b>R4,50</b>
Chinese Yuan	50 hou	¥1.50	¥2.50	¥4	¥7.50

2. Take a look at British pounds and US Dollars exchange rate ratios. £1 ≈ \$1.31. Can you calculate the ratio? \_\_\_\_\_ Use the ratio to help you complete the following table.

Item	Apple	Ice Cream	Magazine	Book	Movie Ticket
British Pounds	<b>30p</b>	<b>£2.20</b>	<b>£1.80</b>	<b>£3.75</b>	<b>£6.75</b>
US Dollars	40c	\$1.50	\$2.40	\$5	\$9

3. If we change US Dollars to Euros, the exchange would be £1 ≈ \$1.12. What is this as a ratio? \_\_\_\_\_ Use the ratio to help you complete the following table.

Item	Apple	Ice Cream	Magazine	Book	Movie Ticket
British Pounds	<b>36p</b>	<b>£1.35</b>	<b>£2.25</b>	<b>£4.50</b>	<b>£7.20</b>
Euros	40c	€1.50	€2.50	€5	€8