# Ratios: Currency Exchange

NAME: ........................................................................

CLASS: ........................................................................

DATE: ...........................................

## Basic/Core

1)  Express the following ratios in their simplest form:

a) 150:450                    b) 60:35                    c) 1200:7000

2) Express the following ratios in the form 1:n.

a) 4:28              b) 5:60              c) 3:17              d) 8:90

3)  The dimensions of a room are length 8m and width 6m. What is the ratio of:

a) its length to its width?                    b) its width to its length?

**Basic/Core continued...**

4) Given the exchange rate of £1 = $1.51, convert the following amounts to dollars:

a) £15                b) £125                c) £325                d) £10,000

5) Given the exchange rate of £1 = $1.51, convert the following amounts to pounds:

a) $100                b) $75                c) $2000                d) $350,000

6) The exchange rates for US dollars, Euros and Japanese yen are: £1 = $1.51, £1 = €1.44, £1 = ¥190.

A motorcycle costs £4200 in London. How much would you expect to pay for the same motorcycle in:

a)Tokyo?                b) Paris?                c) Washington DC?

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## Advanced

1) Given the exchange rate of £1 = $1.51, convert the following amounts to dollars:

a) £15                b) £125                c) £325                d) £10,000

2) Given the exchange rate of £1 = $1.51, convert the following amounts to pounds:

a) $100                b) $75                c) $2000                d) $350,000

3) The exchange rates for US dollars, Euros and Japanese yen are: £1 = $1.51, £1 = €1.44, £1 = ¥190. A motorcycle costs £4200 in London. The same motorcycle costs ¥800,000 in Tokyo, €6500 in Paris and $6000 in Washington. If you were going to purchase the motorcycle, which city offers the best value?

4) The exchange rates for US dollars, Euros and Japanese yen are: £1 = $1.51, £1 = €1.44, £1 = ¥190. Calculate the exchange rate to change dollars to Euros.

a) Calculate the exchange rate to change dollars to yen.

b) Calculate the value of $150,000 in British pounds, Euros and Japanese yen.

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## ANSWERS

### Basic/Core

1) a) 1:3        b) 12:7        c) 12:70

2) a) 1:7        b) 1:12        c) 1:5.67        d) 1:11.25

3) a) 4:3        b) 3:4

4) a) $22.65        b) $188.75        c) $490.75        d) $15,100

5) a) £66.23        b) £49.67        c) £1324.50        d) £231,788.08

6) a) ¥798,000        b) €6048        c) $6342

### Advanced

1) a) $22.65        b) $188.75        c) $490.75        d) $15,100

2) a) £66.23        b) £49.67        c) £1324.50        d) £231,788.08

3) Washington

4) a) 1:0.954        b) 1:125.8        c) £99,338; €143,046; ¥18,874,172