



**THIRD SPACE  
LEARNING**

# How to Calculate Exchange Rates Worksheet

Ratio and Proportion

**Grades 6 to 8**

## Skill Questions

Name: .....

Date: .....

- 1 Convert US dollars and Great Britain pounds.  
If \$1 USD = £0.78 GBP, convert \$430 to £ (GBP).

Answer

- 2 Convert Costa Rican colones and US dollars.  
If \$1 USD = ₡545 CRC, convert ₡8,720 CRC to \$ (USD).

Answer

- 3 Convert Indian rupees and Canadian dollars.  
If ₹549 INR = \$9 CA, what is the unit rate of rupees per Canadian dollar?

Answer

- 4 Convert Euros and Colombian pesos.  
If € 5 = \$20,605 COP, what is the unit rate of Colombian pesos per Euro?

Answer

- 5 €11 is equal to \$12.10 USD. What is the exchange rate from € (EUR) to \$ (USD)?

Answer

## How to Calculate Exchange Rates Worksheet | Grades 6 to 8

- 6 \$12.12 AUD is equal to \$8 USD. What is the exchange rate from \$ (USD) to \$ (AUD)?

Answer

- 7 ฿825 THB is equal to \$24 USD. What is the exchange rate from ฿ (THB) to \$ (USD)?

Answer

- 8 ¥35 JPY is equal to \$0.24 USD. What is the exchange rate from \$ (USD) to ¥ (JPY)?

Answer

- 9 \$78 ARS is equal to ₣0.082 CHF. What is the exchange rate from ₣ (CHF) to \$ (ARS)?

Answer

- 10 £94 EGP is equal to \$2.65 SGD. What is the exchange rate from £ (EGP) to \$ (SGD)?

Answer

## Applied Questions

- 11** In the USA a computer costs \$815. The same computer costs £615 in the UK. Given the exchange rate £1 = \$1.35 USD, where is the computer cheaper? By how much?

Answer

- 12** ¥19,890 JPY is \$130 USD and \$2 USD is 21.78 sk. How many sk is ¥19,890 JPY?

Answer

- 13** Jeremy has \$56 USD, which he exchanges for \$86.90 AUS. He spends \$45.30 AUS and wants to convert the extra back to USD. How many USD will Jeremy have?

Answer

## How to Calculate Exchange Rates Worksheet | Grades 6 to 8

**14** The ratio of \$ (USD) to \$ (FJD) is 0.25 : 0.57. A group of students is solving for the USD exchange rate.

- Serenity says “You need to divide both sides of the ratio by 0.25.”
- Marco says “You need to multiply the ratio by 4.”
- Teddy says “You need to multiply 0.25 and 0.57 by 0.25.”

Which student(s) have a correct strategy? Explain.

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**15** The exchange rate was \$5.19 BRL = \$1 USD, but the value of the Brazilian real increased by 1.2%. If Kyle exchanges \$5 USD with the new rate, how many Brazilian reals will he have?

*Answer*

## Answers

Question number	Question	Answers	Standard
1	Convert US dollars and Great Britain pounds. If \$1 USD = £0.78 GBP, convert \$430 to £ (GBP).	$\begin{array}{l} \times 430 \quad \begin{array}{l} \$ 1 \text{ USD} = \text{£ } 0.78 \text{ GBP} \\ \$ 430 \text{ USD} = \text{£ } 335.4 \text{ GBP} \end{array} \quad \times 430 \end{array}$	6.RP.A.3d
2	Convert Costa Rican colones and US dollars. If \$1 USD = ₡545 CRC, convert ₡8,720 CRC to \$ (USD).	$\begin{array}{l} \times 16 \quad \begin{array}{l} \$ 1 \text{ USD} = \text{₡ } 545 \text{ CRC} \\ \$ 16 \text{ USD} = \text{₡ } 8,720 \text{ CRC} \end{array} \quad \times 16 \end{array}$	6.RP.A.3d
3	Convert Indian rupees and Canadian dollars. If ₹549 INR = \$9 CA, what is the unit rate of rupees per Canadian dollar?	$\begin{array}{l} \div 9 \quad \begin{array}{l} \text{₹ } 549 \text{ INR} = \$ 9 \text{ CA} \\ \text{₹ } 61 \text{ INR} = \$ 1 \text{ CA} \end{array} \quad \div 9 \end{array}$	6.RP.A.3d
4	Convert Euros and Colombian pesos. If € 5 = \$20,605 COP, what is the unit rate of Colombian pesos per Euro?	<p>Answer</p> $\begin{array}{l} \div 5 \quad \begin{array}{l} \text{€ } 5 = \$ 20,605 \text{ COP} \\ \text{€ } 1 = \$ 4,121 \text{ COP} \end{array} \quad \div 5 \end{array}$	6.RP.A.3d
5	€11 is equal to \$12.10 USD. What is the exchange rate from € (EUR) to \$ (USD)?	The exchange rate from € (EUR) to \$ (USD) is 1.10	7.RP.A.1
6	\$12.12 AUD is equal to \$8 USD. What is the exchange rate from \$ (USD) to \$ (AUD)?	The exchange rate from \$ (USD) to \$ (AUD) is 1.52. <i>*rounded</i>	7.RP.A.1
7	฿825 THB is equal to \$24 USD. What is the exchange rate from ฿ (THB) to \$ (USD)?	The exchange rate from ฿ (THB) to \$ (USD) is 0.029. <i>*rounded</i>	7.RP.A.1

## How to Calculate Exchange Rates Worksheet | Grades 6 to 8 | Answers

Question number	Question	Answers	Standard
8	¥35 JPY is equal to \$0.24 USD. What is the exchange rate from \$ (USD) to ¥ (JPY)?	The exchange rate from \$ (USD) to ¥ (JPY) is 146. <i>*rounded</i>	7.RP.A.1
9	\$78 ARS is equal to ₣0.082 CHF. What is the exchange rate from ₣ (CHF) to \$ (ARS)?	The exchange rate from ₣ (CHF) to \$ (ARS) is 951. <i>*rounded</i>	7.RP.A.1
10	£94 EGP is equal to \$2.65 SGD. What is the exchange rate from £ (EGP) to \$ (SGD)?	The exchange rate from £ (EGP) to \$ (SGD) is 0.028. <i>*rounded</i>	7.RP.A.1
11	In the USA a computer costs \$815. The same computer costs £615 in the UK. Given the exchange rate £1 = \$1.35 USD, where is the computer cheaper? By how much?	In the US by \$15.25.	6.RP.A.3d
12	¥19,890 JPY is \$130 USD and \$2 USD is 21.78 sk. How many sk is ¥19,890 JPY?	¥1,415.7	6.RP.A.3d
13	Jeremy has \$56 USD, which he exchanges for \$86.90 AUS. He spends \$45.30 AUS and wants to convert the extra back to USD. How many USD will Jeremy have?	Exchange rate: 1.55 <i>*rounded</i>  $86.90 - 45.30 =$ \$41.60 AUD left  $41.60 \div 1.55 =$ \$26.81 US	7.RP.A.1

## How to Calculate Exchange Rates Worksheet | Grades 6 to 8 | Answers

Question number	Question	Answers	Standard
14	<p>The ratio of \$ (USD) to \$ (FJD) is 0.25 : 0.57. A group of students is solving for the USD exchange rate.</p> <ul style="list-style-type: none"> <li>• Serenity says “You need to divide both sides of the ratio by 0.25.”</li> <li>• Marco says “You need to multiply the ratio by 4.”</li> <li>• Teddy says “You need to multiply 0.25 and 0.57 by 0.25.”</li> </ul> <p>Which student(s) have a correct strategy? Explain.</p>	<p><i>Explanations will vary.</i></p> <p>Example answer: Both Serenity and Marco are correct. Dividing by 0.25 is equal to dividing by <math>\frac{1}{4}</math>, which is the same as multiplying by 4. Teddy is wrong, this will make the ratio smaller, but we want to get the USD side of the ratio to 1.</p>	7.RP.A.1
15	<p>The exchange rate was \$5.19 BRL = \$1 USD, but the value of the Brazilian real increased by 1.2%. If Kyle exchanges \$5 USD with the new rate, how many Brazilian reals will he have?</p>	<p>\$26.26 BRL <i>*rounded</i></p>	7.RP.A.1






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