LESSON MAKER PRO

Currency Switch

Use quoted exchange rates to convert money.

HIGH SCHOOL · MA.912.FL.2.4

MA.912.FL.2.4 "Given current exchange rates, convert between currencies. Solve real-world problems involving exchange rates."

NAME _____ DATE _____

CHOOSE MULTIPLY OR DIVIDE

When a rate gives foreign currency per dollar, multiply the number of dollars by the rate. When you are converting that foreign currency back to dollars, divide by the rate. Track the currency unit that remains after each calculation.

WORKED EXAMPLE

An exchange booth quotes 4.8 zeds per dollar. Convert $35 to zeds.

1. Write the conversion: $35 x 4.8 zeds per dollar.
2. Cancel dollars and multiply: 35 x 4.8 = 168.
3. The remaining unit is zeds.

Answer: 168 zeds

PRACTICE 6 problems

1 At a quoted rate of 150 Japanese yen per US dollar, convert $24 to Japanese yen.

ANSWER _____

2 At a quoted rate of 0.80 euros per US dollar, convert $45 to euros.

ANSWER _____

3 At a quoted rate of 2 Canadian dollars per British pound, convert 18 British pounds to Canadian dollars.

ANSWER _____

4 At a quoted rate of 5 Mexican pesos per Brazilian real, convert 65 Mexican pesos to Brazilian reais.

ANSWER _____

5 At a quoted rate of 12.5 Indian rupees per UAE dirham, convert 8 UAE dirhams to Indian rupees.

ANSWER _____

6 At a quoted rate of 3 Australian dollars per Singapore dollar, convert 81 Australian dollars to Singapore dollars.

ANSWER _____

APPLY IT Show your work

1 A student is going to a music festival in France. A ticket costs 54 euros. The exchange kiosk quotes 0.75 euros per US dollar. The student has $80. Does the student have enough money for the ticket? If so, how many euros will be left after paying?

WORK SPACE

ANSWER _____

2 A student sells digital art to a buyer in Japan and receives 4,000 Japanese yen. The exchange service uses a rate of 160 yen per US dollar and charges a $3 conversion fee. How many US dollars does the student receive after the fee?

WORK SPACE

ANSWER _____

CHALLENGE One step up

During a trip, Kai exchanges $60 at a rate of 8 Mexican pesos per US dollar. The kiosk keeps a 15% fee from the pesos received. Kai then exchanges the remaining pesos at 6 Mexican pesos per euro. How many euros does Kai receive?

WORK SPACE AND ANSWER

ANSWER KEY

Currency Switch

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	At a quoted rate of 150 Japanese yen per US dollar, convert $24 to Japanese yen.	**3,600 Japanese yen**
2	At a quoted rate of 0.80 euros per US dollar, convert $45 to euros.	**36 euros**
3	At a quoted rate of 2 Canadian dollars per British pound, convert 18 British pounds to Canadian dollars.	**36 Canadian dollars**
4	At a quoted rate of 5 Mexican pesos per Brazilian real, convert 65 Mexican pesos to Brazilian reais.	**13 Brazilian reais**
5	At a quoted rate of 12.5 Indian rupees per UAE dirham, convert 8 UAE dirhams to Indian rupees.	**100 Indian rupees**
6	At a quoted rate of 3 Australian dollars per Singapore dollar, convert 81 Australian dollars to Singapore dollars.	**27 Singapore dollars**

PART 2 · APPLY IT

1. **Yes, 6 euros will be left.** Convert $80 to euros: 80 x 0.75 = 60 euros. Subtract the ticket cost: 60 - 54 = 6 euros.
2. **$22** Convert yen to dollars: 4,000 / 160 = $25. Subtract the $3 fee: 25 - 3 = $22.

CHALLENGE

68 euros

Accept correct currency symbols or currency names. For the challenge, students should find 480 pesos, subtract a 72-peso fee, and convert 408 pesos to 68 euros.