Practice 1.5

Multiple Choice
Identify the choice that best completes the statement or answers the question.

____ 1. 1 Norwegian krone is worth $0.207 CAD. If you have 375 kroner, how many Canadian dollars can you exchange them for?

____ 2. 1 Swiss franc is worth $1.05 CAD. If you have 1075 Swiss francs, how many Canadian dollars can you exchange them for?

____ 3. 1 Australian dollar is worth $1.15 CAD. If you have 725 Australian dollars, how many Canadian dollars can you exchange them for?

    a. $630.43   c. $917.12
    b. $833.75   d. $750.37

____ 4. The bank buying rate for 1 euro is $1.56 CAD. If you have 1025 euros, how many Canadian dollars can you exchange them for?

    a. $1758.90   c. $1439.10
    b. $1599.00   d. $657.05

____ 5. If Linda purchased 10 820 Thailand bhat for $380.00 CAD, what was the bank's selling rate?

    a.   0.028096   c.   0.03512
    b.   28.473684   d.   0.05268

____ 6. If Qi purchased 4305 Chinese yuan for $700.00 CAD, what was the bank's selling rate?

    a.   6.15   c.   0.162602
    b.   0.1300816   d.   0.243903

____ 7. If Cody sold 10 750 Singapore dollars for $7925.76 CAD, what was the bank's buying rate?

    a.   1.10592   c.   1.356337
    b.   0.589824   d.   0.73728

____ 8. If Pietr sold 1225 Scottish pounds for $2445.28 CAD, which of the following is closest to the bank's buying rate?

    a.   1.59692   c.   0.50097
    b.   1.99615   d.   2.99423

____ 9. The bank's selling rate for Kenyan shillings is 0.017300 and the buying rate is 0.012510. How many shillings would you get for $150.00 CAD?

a.	6.26 shillings	c.	8670.52 shillings
b.	8.65 shillings	d.	39 968.03 shillings

____ 10. The bank's selling rate for Czech Republic koruna is 0.06238. How many koruna will you get for $150.00 CAD?

a.	2404.62 koruna	c.	6.26 koruna
b.	31.19 koruna	d.	39 968.03 koruna

____ 11. The bank's selling rate for Brazilian reals is 0.697000 and the buying rate is 0.534900. How many Canadian dollars would you get for 150 reals?

a.	$215.21	c.	$104.55
b.	$80.23	d.	$280.43

____ 12. If the selling rate of Indian rupees is 0.02532 and the buying rate is 0.02087, how much money would you lose if you exchanged $75.00 CAD for rupees and then converted them back to CAD on the same day?

a.	$11.60	c.	$13.18
b.	$16.08	d.	$15.99

Problem

1. Lauren is travelling to Israel. She has $290.00 CAD, which she converts to Israeli New Shekel (ISL) before leaving Canada. In Israel, she finds a dress she would like to buy. The dress costs 400.00 ISL. Does Lauren have enough money to purchase the dress?

Canadian Bank Foreign Exchange Rates for Buying and Selling			
Country	**Currency**	**Buying Rate**	**Selling Rate**
Australia	Dollar (AUD)	0.8788	0.9926
Brazil	Real (BRL)	0.5046	0.6578
Canada	Dollar (CAD)	—	—
Cayman Islands	Dollar (KYD)	1.2568	1.5000
Various (Europe)	Euro (EUR)	1.5552	1.6877
France	Franc (FRF)	0.2222	Refer to Euro
Great Britain	Pound (GBP)	1.8413	1.9681
Hong Kong	Dollar (HKD)	0.1389	0.1597
India	Rupee (INR)	0.01964	0.030 34
Indonesia	Rupiah (IDR)	0.000 089	0.000 130
Israel	Shekel, New (ILS)	0.2553	0.3235
Japan	Yen (JPY)	0.011 647	0.012 579
Mexico	Peso (MXN)	0.0760	0.0927
Philippines	Peso (PHP)	0.020 84	0.028 39
Saudi Arabia	Riyal (SAR)	0.2734	0.3338
South Africa	Rand (ZAR)	0.1233	0.1598
South Korea	Won (KRW)	0.000 774	0.001 050
Switzerland	Franc (CHF)	1.0213	1.1085
United States	Dollar (USD)	1.1210	1.1810

2. Use the following table to calculate the cost of buying 5 T-shirts, 2 pairs of shoes, and 6 pairs of jeans.

Clothing Article	Regular Price	Discount
T-Shirt	$20.00	15% off all T-shirts!
Shoes	$92.50	Buy one pair, get one half off!
Jeans	$45.00	Buy one, get one free!

Practice 1.5
Answer Section

MULTIPLE CHOICE

  1. ANS: A   PTS: 1   DIF: Easy   REF: 1.5
     OBJ: Number   LOC: N-SO1   TOP: Currency Exchange Rates
  2. ANS: A   PTS: 1   DIF: Easy   REF: 1.5
     OBJ: Number   LOC: N-SO1   TOP: Currency Exchange Rates
  3. ANS: B   PTS: 1   DIF: Easy   REF: 1.5
     OBJ: Number   LOC: N-SO1   TOP: Currency Exchange Rates
  4. ANS: B   PTS: 1   DIF: Easy   REF: 1.5
     OBJ: Number   LOC: N-SO1   TOP: Currency Exchange Rates
  5. ANS: C   PTS: 1   DIF: Easy   REF: 1.5
     OBJ: Number   LOC: N-SO1   TOP: Currency Exchange Rates
     KEY: Selling Rate
  6. ANS: C   PTS: 1   DIF: Easy   REF: 1.5
     OBJ: Number   LOC: N-SO1   TOP: Currency Exchange Rates
     KEY: Selling Rate
  7. ANS: D   PTS: 1   DIF: Easy   REF: 1.5
     OBJ: Number   LOC: N-SO1   TOP: Currency Exchange Rates
     KEY: Buying Rate
  8. ANS: B   PTS: 1   DIF: Easy   REF: 1.5
     OBJ: Number   LOC: N-SO1   TOP: Currency Exchange Rates
     KEY: Buying Rate
  9. ANS: C   PTS: 1   DIF: Easy   REF: 1.5
     OBJ: Number   LOC: N-SO1   TOP: Currency Exchange Rates
     KEY: Buying Rate | Selling Rate
10. ANS: A   PTS: 1   DIF: Easy   REF: 1.5
     OBJ: Number   LOC: N-SO1   TOP: Currency Exchange Rates
     KEY: Selling Rate
11. ANS: B   PTS: 1   DIF: Easy   REF: 1.5
     OBJ: Number   LOC: N-SO1   TOP: Currency Exchange Rates
     KEY: Buying Rate | Selling Rate
12. ANS: C   PTS: 1   DIF: Moderate   REF: 1.5
     OBJ: Number   LOC: N-SO1   TOP: Currency Exchange Rates
     KEY: Buying Rate | Selling Rate

PROBLEM

1. ANS:
   Calculate how many ISL Lauren has. The bank sells ISL to Lauren, so use the selling rate. Round to the nearest ISL.
   $\$290.00 \div 0.3235\,\text{ISL} \approx 896\,\text{ISL}$

   Since the dress costs 400.00 ISL, Lauren has enough money to purchase the dress.

   PTS: 1   DIF: Moderate   REF: 1.5   OBJ: Number
   LOC: N-SO1   TOP: Currency Exchange Rates   KEY: Buying Rate | Selling Rate

2. ANS:
   Calculate the sale price of each item.

   1 T-shirt:
   $\$20.00 \times (1 - 0.15) = \$17.00$

   1 pair of shoes (but you must buy multiples of 2):
   $\frac{1}{2}\left(\$92.50 + \frac{1}{2}\,\$92.50\right) = \$69.38$

   1 pair of jeans (but you must buy multiples of 2):
   $\frac{1}{2}\,(\$45.00 + 0 \times \$45.00) = \$22.50$

   Total cost = 5($17.00) + 2($69.38) + 6($22.50)
   Total cost = $358.75

   The total bill comes to $358.75.

   PTS: 1   DIF: Moderate   REF: 1.4   OBJ: Number
   LOC: N-SO1   TOP: On Sale!