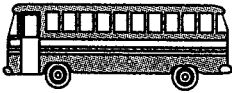


2.2

Rates*MathLinks 8, pages 55–62***Key Ideas Review**

- Unscramble the letters to form a word in each blank to complete the statement.
 - A rate is a comparison of two quantities measured in _____ units.
TFDIFEERN
 - A rate can be expressed as a _____, but cannot be expressed as a _____.
OFNARTCI
REPTCNE
 - A unit rate is a rate in which the second term is _____.
NOE
 - To compare the cost of similar items a unit _____ is useful.
EPCIR

Practise and Apply

- Determine the unit rate. Show your thinking.
 - Riding 50 km in 3 h. Round your answer to the nearest hundredth.
 - Typing 660 words in 10 minutes.
 - Moving 216 students in 4 buses.

 - Carrying 138 apples in 6 bags.
 - Raising \$315 in 35 h.
 - Driving 220 km in $2\frac{1}{2}$ h.
- Calculate the unit rate for each situation. Show your thinking. Then, circle the greater rate for each pair.
 - \$210 for 30 h or \$198 for 20 h
 - 574 km in 7 h or 420 km in 5 h
 - 64 h of sunlight in 16 days or 69 h sunlight in 23 days
- The Mitchells' car used half a tank of gas when travelling from Edmonton to Calgary, a trip of about 300 km. If the fuel tank's capacity is 54 L, what was the car's fuel consumption rate in L/100 km?

Name _____

The BEST Buy

Instructions: For each question, calculate the unit rate for each option and determine which one is the BEST buy. Write your final choice in the last column.

- The first one is done as an example for you to follow
- Round all answers to TWO decimal places if necessary



	Option 1	Option 2	Unit Rate 1	Unit Rate 2	BEST BUY
Question #1	3 batteries for \$4.80	12 batteries for \$14.76	$\$4.80 / 3 \text{ Batt} = \$1.60 / 1 \text{ Batt}$	$\$14.76 / 12 \text{ Batt} = \$1.23 / 1 \text{ Batt}$	OPTION # 2 (cheaper)
Question #2	22 staplers for \$330	4 staplers for \$80			
Question # 3	5 calculators for \$105	24 calculators for \$552			
Question # 4	18 pens for \$6.84	30 pens for \$8.40			
Question # 5	18 ounces for \$7.38	27 ounces for \$15.39			
Question # 6	11 books for \$99	29 books for \$203			
Question # 7	\$15.98 for 34 litres of gas	\$4.68 for 12 litres of gas			
Question # 8	\$160 for 10 calendars	\$114 for 6 calendars			