[2A] --PRACTICE-- Ratios, Rates, and Unit Rates

WRITE each **ratio** ALL 3 WAYS that ratios are written: as a **FRACTION**, using a **COLON**, AND using the **word "TO"**.

1. 4 sailboats to 6 motorboats	**2.** 8 yellow eggs out of 12 colored eggs	**3.** 3 tulips to 9 daffodils
▭/▭ ▭:▭ ▭ to ▭	▭/▭ ▭:▭ ▭ to ▭	▭/▭ ▭:▭ ▭ to ▭
4. 14 sheets of paper out of 35	**5.** 15 baseballs to 25 softballs	**6.** 12 hours out of 30 hours
▭/▭ ▭:▭ ▭ to ▭	▭/▭ ▭:▭ ▭ to ▭	▭/▭ ▭:▭ ▭ to ▭

WRITE the **RATE** [as a fraction] for each scenario – *REMEMBER the UNIT of MEASURE!*

7. A car that travels 263 miles on 14 gallons of gasoline.	**8.** Greg ran 7.8 miles in 65 minutes.	**9.** Adora bought 3 tickets to a concert for $164.25.	**10.** It takes Anita 7 hours to mow 11 lawns.
▭/▭	▭/▭	▭/▭	▭/▭

WRITE the **UNIT RATE** [or **UNIT PRICE**] for each scenario. *[round to whole number [except for money which is 2 decimal places] – REMEMBER the UNIT of MEASURE!]*

11. You buy 5 dozen eggs for $7.99. How much does 1 dozen cost?	**12.** Julian read 123 pages read in 3.5 hours. On average, how many pages per hour does Julian read?	**13.** A car travels 317 miles on 15 gallons of gas. How many miles per gallon (MPG) does this car get?	**14.** You buy 6 pounds of steak for $36. How much does one pound cost?
▭/▭	▭/▭	▭/▭	▭/▭

For each of the **buying scenarios** in the table below, **RATES** are given for **OPTION A** and for **OPTION B**. **CALCULATE** the **UNIT PRICE** [aka **UNIT RATE**] for **EACH OPTION** and **DETERMINE** the **BEST BUY**. *[To be able to COMPARE CORRECTLY, round ALL MONEY AMOUNTS to THREE [3] decimal places – Remember the UNIT of MEASURE!]*

OPTION A	UNIT PRICE for A	OPTION B	UNIT PRICE for B	BEST BUY? [A or B]
1 apple for $0.193		3 apples for $0.59		A B
20 pounds of pet food for $16.99		50 pounds of pet food for $42.99		A B
1-gallon can of paint for $13.99		5-gallon can of paint for $67.45		A B
84 ounces of detergent for $10.64		48 ounces of detergent for $6.19		A B
A car that travels 308 miles on 11 gallons of gas		A car that travels 406 miles on 14 gallons of gas		A B