1. The table below shows the price for the number of roses indicated.

Number of Roses	3	6	9	12	15
Price (Dollars)	9	18	27	36	45

1. Is the price proportional to the number of roses? How do you know?

2. Find the cost of purchasing 30 roses.

3. Write an equation to model the relationship between number of roses and price.

4. Identify constant of proportionality

5. Explain what it means in the context of the situation.

6. The table below shows the relationship between the side lengths of a regular octagon and its perimeter. Complete the table.

Lengths, s (inches)	Perimeter, P (inches)
1	8
2	16
3	24
4	32
9	
12	

8. In 25 minuets Ms. Dan can run 10 laps.	9. 18 tennis balls come in 3 cans.	10. 6 bags of flour weights 30 pounds.

11. Donna is running around a track. It takes her 10 minuets to run 6 laps. If she keeps running at the same speed, how long will it take her to run 5 laps?

- Create a ratio table

- Write the equation

- Create a graph to represent the data from the table

- Identify the constant of proportionality

12. Ryan is making a fruit drink. The directions say to mix 5 cups of water with 2 cups of powdered fruit mix. How many cups of water should he use with 9 scoops of fruit mix?

- Create a ratio table

- Write the equation

- Create a graph to represent the data from the table

- Identify the constant of proportionality

13. If Gabby wants to make an octagon with a side length of 20 inches using wire, how much wire does she need? Justify your reasoning with an explanation of whether perimeter is proportional to the side length.

Create a ratio table

Write the equation

Create a graph to represent the data from the table

Identify the constant of proportionality

Find the unit Rate

Use Proportion to find the better deal.

13. Which is the better deal: 8 ounces of shampoo for $0.99 or 12 ounces for $1.47. Create a ratio table Write the equation	14. Which is the better deal: 3 cans of soda for $1.27 or 5 cans of soda for $1.79. Create a ratio table Write the equation
15. Which is the better deal: 10 pounds of hamburger for $4.99 or 5 pounds of hamburger for $2.49. Create a ratio table Write the equation	16. Which is traveling faster: Traveling 300 miles in 5 hours or traveling 250 miles in 4 hours. Create a ratio table Write the equation

17. Which is traveling faster: Traveling 75 miles in 1 hour or traveling 280 miles in 3.5 hours. Create a ratio table Write the equation	18. Which is traveling faster: Traveling 150 yards in 40 seconds or traveling 406 feet in 35 seconds. Create a ratio table Write the equation