1. Kyanna has 4 pears, 6 apples, and 3 oranges. Draw a model to show the ratio of oranges to pears.
$\square$
2. There are 3 girls and 4 boys taking music lessons. Write the ratio that compares the number of boys taking music lessons to the total number of students taking music lessons.

3. Camilla adds 2 cucumbers for every 5 tomatoes in a veggie mix. Draw a model to show the ratio comparing cucumbers to tomatoes.
$\square$
4. Write the ratio 4 to 9 in two different ways.
5. Holly stops to drink 5 ounces of water every two miles she runs. The further that Holly runs, the more she drinks water. Complete the table by writing two equivalent ratios.

| Ounces | 5 |  |  |
| :--- | :--- | :--- | :--- |
| Distance (miles) | 2 |  |  |

6. Nate has 5 green marbles and 3 red marbles. Select the ratios that compare the number of red marbles to the total number of marbles. Mark all that apply.3 to 85 to 83:8$5: 3$$\frac{5}{8}$$\frac{3}{8}$
7. Maynor rode his bike 2 miles in 8 minutes. Paul rode his bike 3 miles in 12 minutes. Did Maynor and Paul ride the same number of miles per minute? Complete the table of equivalent ratios to support your answer.

| Maynor |  |  |  |  |
| :--- | :---: | :--- | :--- | :--- |
| Distance (miles) | 2 |  |  |  |
| Time (minutes) | 8 |  |  |  |


| Paul |  |  |  |  |
| :--- | :---: | :---: | :--- | :--- |
| Distance (miles) | 3 |  |  |  |
| Time (minutes) | 12 |  |  |  |

$\square$
8. Shenea bought 3 bottles of juice for $\$ 12$. Write the rate as a fraction. Then find the unit rate.

9. Determine whether each ratio is equivalent to $\frac{1}{2}$, $\frac{3}{9}$, or $\frac{5}{7}$. Write the ratio in the correct box.

| $\frac{2}{6}$ | $\frac{3}{6}$ | $\frac{5}{10}$ | $\frac{10}{14}$ | $\frac{50}{100}$ | $\frac{20}{28}$ | $\frac{1}{3}$ | $\frac{8}{24}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| $\frac{1}{2}$ | $\frac{3}{9}$ | $\frac{5}{7}$ |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |

10. Jin bought 4 markers for $\$ 7$. How many markers can he buy for \$21? Show your work.
$\square$
11. Edgar said $\frac{3}{5}$ is equivalent to $\frac{18}{32}$. Check his work by making a table of equivalent ratios.

| 3 |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 5 |  |  |  |  |  |

12. A can of vegetable soup costs $\$ 2.88$ for 12 ounces. A can of chicken soup costs $\$ 2.25$ for 9 ounces. Which can of soup costs less per ounce? Use numbers and words to explain your answer.
$\square$
13. Vicki earns $\$ 30$ for washing 6 cars. If Vicki charges the same rate, how many cars must she wash to earn $\$ 35$ ?
$\qquad$ cars
14. Use a unit rate to find the unknown value.

15. Charlie saves $\$ 2$ for every $\$ 9$ he earns. Melody saves $\$ 4$ for every $\$ 12$ she earns. Is Charlie's ratio of money saved to money earned equivalent to Melody's ratio of money saved to money earned? Explain.
16. The Garcias are on their way to the beach. They are traveling at a rate of 30 miles per hour. Use the ordered pairs to graph the distance traveled over time.

| Distance (miles) | 30 | 60 | 90 | 120 | 150 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Time (hours) | 1 | 2 | 3 | 4 | 5 |


17. Marc enjoys running. The graph shows how far Marc ran over time. Use equivalent ratios to find how far Marc ran in 7 minutes.

$\qquad$ meters
18. The corner grocery store sells apples for $\$ 1.19$ per pound. Select the stores that sell apples at a lower unit price. Mark all that apply.Store A: $\$ 2.50$ for 2 poundsStore B: $\$ 3.48$ for 3 poundsStore C: $\$ 3.80$ for 4 poundsStore D: $\$ 5.00$ for 4 pounds
19. Kayden bought 9 packs of paper for $\$ 27$.

## Part A

How much will he pay for 11 packs of paper? Use numbers and words to explain your answer.
$\square$

## Part B

Describe how to use a bar model to solve the problem.
$\square$
20. Water is filling a pool at a rate of 5 gallons per minute.

## Part A

Complete the table of equivalent ratios for the first five minutes of the pool filling up.

| Amount of Water (gallons) | 5 |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Time (minutes) | 1 |  |  |  |  |

## Part B

Hector said there will be 55 gallons of water in the pool after 11 minutes. Explain how Hector could have found his answer.


