

5. 158% of 200

Complete the statement. Round to the nearest hundredth if necessary.

6. 4 gal \approx _____ L
7. The ratio of offensive players to defensive players on a football team is 4 : 3. There are 21 defensive players on the team. How many offensive players are there?
8. For a class trip, the teachers would like to have one adult for every 10 students. There are 190 students on the trip. How many adults should go on the trip?
9. About 0.33 of the animals in a pet store were dogs. Write this decimal as a percent.
10. A new pair of shoes is advertised for \$110. The sales tax is 7.5%. What is the total cost of the shoes?

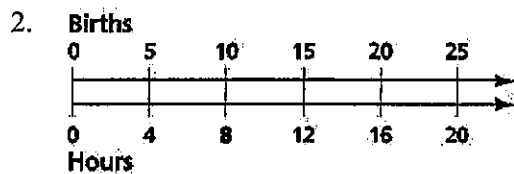
Short Answer

Find the missing values in the ratio table. Then write the equivalent ratios.

1.

Trucks	2		30
Cars	3	9	

Write a rate that represents the situation.



Write a unit rate for the situation.

3. 20 meters in 4 seconds
4. 400 miles on 20 gallons
5. You can buy an 8-pack of paper towels for \$7.92 or a 12-pack for \$11.64. Which is the better buy?

6. The results of a survey are shown. In the survey, 28 students said their favorite dessert is ice cream.

Favorite Dessert



- How many students were surveyed?
- How many students said their favorite dessert is pie?

Use the table below that shows the number of first downs in a football game.

Team	Cougars	Gators
Total First Downs	16	20
By rushing	8	4
By passing	6	15
By penalty	2	1

- Which team had a smaller percent of first downs by penalty?
- In a class, 60% of the students are girls. There are 18 girls in the class.
 - How many students are in the class?
 - How many boys are in the class?

Determine which vehicle gets the better gas mileage.

9.

Motorcycle	A	B
Distance (miles)	315	360
Gallons used	6	8

- Five out of every 8 students surveyed enjoys playing video games. The difference between the number of students who play video games and those who do not is 20. How many students were surveyed? Explain how you found your answer.

Name: _____

ID: A

Write a rate that represents the situation.

11. 110 games in 15 weeks

12.

Input, x	1	2	3	4
Output, y	4	5	6	7

1

Use a 10-by-10 grid to model the percent.

13. 87%

Complete the statement. Round to the nearest hundredth, if necessary.

14. $\frac{7300 \text{ mi}}{\text{h}} \approx \frac{? \text{ mi}}{\text{sec}}$

15. $1.5 \text{ mi} = \underline{\quad} \text{ ft}$

16. $2000 \text{ mm} = \underline{\quad} \text{ cm}$

Tell which measure is greater.

17. 1 pound, 0.6 kilogram

18. One liter of deck stain covers about 50 square feet. How many gallons does it take to cover a deck with an area of 1840 square feet?

